



CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: 651-266-8989
Facsimile: 651-266-9124
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Code Compliance Report

May 24, 2012

Housing and Redevelopment Authority of St Paul
25 4th St W Unit 1100
Saint Paul MN 55102-1634

**** This Report must be Posted
on the Job Site ****

Re: 775 Magnolia Ave E
File#: 12 034371 VB2

Dear Property Owner:

The following is the Code Compliance report you requested on May 03, 2012.

Please be advised that this report is accurate and correct as of the date May 24, 2012. All deficiencies identified by the City after this date must also be corrected and all codes and ordinances must be complied with. This report is valid for 365 days from May 24, 2012. This report may be used in lieu of a Truth in Housing Report required in St Paul Legislative Code 189. This building must be properly secured and the property maintained at all times.

In order to sell or reoccupy this property the following deficiencies must be corrected:

BUILDING **Inspector: Jim Seeger** **Phone: 651-266-9046**

- Dry out basement and eliminate source of moisture.
- Remove mold, mildew and moldy or water damaged materials.
- Install handrails (34 inches - 38 inches above each nosing) and guardrails (36 inch minimum) at all stairways, and return hand rail ends into a newel post or wall per attachment.
- Repair or Replace any deteriorated window sash, broken glass, sash holders, re-putty, etc as necessary.
- Provide complete storms and screens, in good repair for all door and window openings.
- Provide functional hardware at all doors and windows
- Exit doors shall be capable of being opened from the inside, easily and without the use of a key. Remove all surface bolts.
- Repair or replace damaged doors and frames as necessary, including storm doors.
- Install floor covering in bathroom and kitchen that is impervious to water.
- Repair walls, ceiling and floors throughout, as necessary.
- Prepare and paint interior and exterior as necessary. Observe necessary abatement procedures (EPA, MPCA and St. Paul Legislative Code, Chapter 34 for additional information) if lead base paint is present.
- Provide fire block construction as necessary and seal chases in basement ceiling.

BUILDING **Inspector: Jim Seeger** **Phone: 651-266-9046**

- Air-seal and insulate attic/access door.
- Install Smoke Detectors/Carbon Monoxide Detectors per MN Conservation Code and the MN Dept. of Labor and Industry: Install per code where feasible.
- Provide major clean-up of premises.
- Repair siding, soffit, fascia, trim, etc. as necessary.
- Provide proper drainage around house to direct water away from foundation of house.
- Provide proper drainage around house to direct water away from foundation of garage.
- Review all applicable codes & policies when replacing windows including egress windows for sleeping rooms.
- Openings in stair risers must be less than 4 inches.
- Grade must drain away from foundation of dwelling. Maintain 6 inch clearance between wood and soil.
- Repair brick at top of chimney.
- Re level front porch.
- Replace front steps at street.
- Repair foundation covering and properly slope flashing at top away from house.
- Repair or replace front and rear sidewalks.
- Property repair rear west side fence or replace.
- Insure pool fence secure.
- Install code approved post and plinth blocks in basement.
- Install tempered glass in windows on landings, in stair windows and over bath tubs to meet code.
- Supply plans and specs for garage remodel and height variance for tall garage and rebuild structure to code. Also, supply copy of permit sign off's for the garage.
- Install one hour fire rated separation at west side of garage.
- Repair rear yard deck and steps to code
- A building permit is required to correct the above deficiencies.

ELECTRICAL **Inspector: Dave Blank** **Phone: 651-266-9032**

- Ground the electrical service to the water service with a copper conductor within 5 feet of the entrance point of the water service
- Bond around water meter with a copper wire sized for the electrical service per Article 250 of the NEC
- Verify/install a separate 20 ampere laundry circuit and a separate 20 ampere kitchen appliance circuit
- Verify that circuit breaker amperage matches wire size
- Properly strap cables and conduits in basement/ service conduit on the exterior of the house.
- Provide one (1) light for each 200 square feet in unfinished basement. One light must be switched on from the top of the stairs
- Install globe-type enclosed light fixture on all closet lights

ELECTRICAL **Inspector: Dave Blank** **Phone: 651-266-9032**

- Repair or Replace all broken, missing or loose light fixtures, switches and outlets, covers and plates
- Check all outlets for proper polarity and verify ground on 3-prong outlets
- Remove any 3-wire ungrounded outlets and replace with 2-wire or ground 3-wire to code
- Install hard-wired, battery backup smoke detector per bulletin 80-1 and other smoke detectors as required by the IRC. Also, Install carbon monoxide detector(s) within 10 feet of all bedrooms
- Replace all painted-over receptacles.
- Verify/Correct installation of hydromassage tub and in ground pool.
- All receptacle outlets in second level rear bedroom, front bedroom, living room and lower level dining room.
- Work performed without electrical permit.
- Based on repair list, purchase permit for 16 circuits.
- All added receptacles must be grounded, tamper-resistant and be on an Arc-Fault Circuit Interrupter-protected circuit.
- Any open walls or walls that are opened as part of this project must be wired to the standards of the current NEC.
- All buildings on the property must meet the St. Paul Property Maintenance Code (Bulletin 80-1).
- All electrical work must be done by a Minnesota-licensed electrical contractor under an electrical permit.

PLUMBING **Inspector: Rick Jacobs** **Phone: 651-266-9054**

- Basement - Gas Piping - run dryer vent to code (IFGC 613.1 - IMC 604.1)
- Basement - Laundry Tub - fixture is broken or parts missing (MPC 0200 0.)
- Basement - Laundry Tub - incorrectly vented (MPC 2500)
- Basement - Laundry Tub - waste incorrect (MPC 2300)
- Basement - Laundry Tub - water piping incorrect (MPC 0200 P.)
- Basement - Soil and Waste Piping - improper connections, transitions, fittings or pipe usage (MPC 2420)
- Basement - Soil and Waste Piping - improper pipe supports (MPC 1430 Subp. 4)
- Basement - Soil and Waste Piping - no front sewer clean out (MPC 1000)
- Basement - Soil and Waste Piping - replace FERNCO fitting on stack located on second floor
- Basement - Soil and Waste Piping - unplugged or open piping; back pitched piping (MPC 1000)
- Basement - Toilet Facilities - fixture is broken or parts missing (MPC 0200 0.)
- Basement - Toilet Facilities - unvented (MPC 0200. E)
- Basement - Water Heater - gas venting incorrect (IFGC 503)
- Basement - Water Heater - not fired or in service (MPC 2180)
- Basement - Water Meter - raise meter to a minimum 12 inches above floor (MPC 2280)
- Basement - Water Meter - service valves not functional or correct (MPC 1800 Subp 3,4)

PLUMBING **Inspector: Rick Jacobs** **Phone: 651-266-9054**

- Basement - Water Piping - provide water piping to all fixtures and appliances (MPC 1700)
- Basement - Water Piping - repair or replace all corroded, broken or leaking piping (MPC 4715.1720)
- Basement - Water Piping - run 1 inch water line from meter to first major take off (SPRWS Water Code)
- Exterior - Lawn Hydrants - Broken or parts missing (MPC 0200 K)
- Exterior - Lawn Hydrants - Requires backflow assembly or device (MPC 2000)
- First Floor - Laundry - incorrectly vented (MPC 2500)
- First Floor - Laundry - waste incorrect (MPC 2300)
- First Floor - Laundry - water piping incorrect (MPC 0200 P.)
- First Floor - Sink - dishwasher waste and water are incorrect
- First Floor - Sink - unvented (MPC 0200. E)
- First Floor - Sink - waste incorrect (MPC 2300)
- First Floor - Sink - water piping incorrect (MPC 0200 P.)
- First Floor - Toilet Facilities - fixture is broken or parts missing (MPC 0200 0.)
- First Floor - Toilet Facilities - incorrectly vented (MPC 2500)
- First Floor - Toilet Facilities - reset toilet to floor
- First Floor - Toilet Facilities - waste incorrect (MPC 2300)
- First Floor - Shower - Provide a vacuum breaker for the handheld shower (MPC 2000 B)
- First Floor - Shower - provide anti-scald valve (MPC 1380. Subp. 5)
- Second Floor - Lavatory - waste incorrect (MPC 2300)
- Second Floor - Toilet Facilities - reset toilet to floor
- Second Floor - Tub Provide access (MPC 0900)
- Second Floor - Tub - faucet is missing, broken or parts missing (MPC 0200. P.)
- Second Floor - Tub - fixture is incorrectly installed
- Second Floor - Tub - water piping incorrect (MPC 0200 P.)
- Verify proper venting of all second floor fixtures.
- Remove all ABS to PVC glued connections and FERNCO connections and re-pipe to code.
- Obtain plumbing permits prior to commencement of work.

HEATING **Inspector: Maureen Hanson** **Phone: 651-266-9043**

- Clean and Orsat test furnace burner. Check all controls for proper operation. Check furnace heat exchanger for leak; provide documentation from a licensed contractor that the heating unit is safe
- Vent clothes dryer to code
- Plug, cap and/or remove all disconnected gas lines and unapproved valves.

HEATING **Inspector: Maureen Hanson** **Phone: 651-266-9043**

- All supply and return ducts for warm air heating system must be clean before final approval for occupancy. Provide access for inspection of inside of ducts or provide documentation from a licensed duct-cleaning contractor that the duct system has been cleaned.
- Repair and/or replace heating registers as necessary
- Provide heat in every habitable room and bathrooms
- Verify that A/C system is operable, if not repair, replace or remove.
- Mechanical gas permit is required for the above work.

ZONING

1. This property is in a (n) RT1 zoning district.
2. This property was inspected as a Single Family Dwelling.

Notes:

- See attachment for permit requirements and appeals procedure.
- Most of the roof covering could not be inspected from grade. Recommend this be done before rehabilitation is attempted.

This is a registered vacant building. In order to sell or reoccupy this building, all deficiencies listed on this code compliance report must be corrected in accordance with the Minimum Housing Standards of the St. Paul Legislative Code (Chapter 34) and all required permits must receive final approval within six (6) months of the date of this report. One (1) six-month time extension may be requested by the owner and will be considered if it can be shown that the code compliance work is proceeding and is more than fifty (50) percent complete in accordance with Legislative Code Section 33.03(f).

You may file an appeal to this notice by contacting the City Clerk's Office at 651-266-8688. Any appeal must be made in writing within 10 days of this notice. (You must submit a copy of this notice when you appeal, and pay a filing fee.)

If you have any questions regarding this inspection report, please contact Jim Seeger between 7:30 - 9:00 AM at 651-266-9046 or leave a voice mail message.

Sincerely,

James L. Seeger
Code Compliance Officer
Phone: 651-266-9046
Email: james.seeger@ci.stpaul.mn.us

JLS:ml
Attachments

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Auditor: Terry Cagle-Kemp

Address: 775 Magnolia Ave E

Phone: 651-221-4462 x122

Spec ID#	Spec Title	Specification	Location / Notes
104	Replace Furnace with 95% AFUE, Multi-stage, Forced Air Furnace	Remove existing furnace, recycle all metal components and dispose of all other materials in a code legal dump. Install a new ENERGY STAR rated, gas-fired, multi-stage burner, forced air furnace with a minimum AFUE rating of 95%+ and ECM Motor with 2" rise above floor. Connect to existing duct work and gas line. New furnace to be vented with PVC piping per manufacturer's specifications. New furnace will have minimum limited warranties of 20 years on heat exchangers; 5 years on parts. Include auto setback thermostat controls, vent pipe & new shut-off valve. Rework cold air return if necessary to ensure easy access, good fit & easy replacement of air filter. An exterior return air filter box shall be installed on one side, both sides or bottom of new furnace. Seal all exposed duct joints with duct mastic. Remove all existing cloth duct tape prior to installing mastic.	

304	Replace Water Heater with Power Vented .65 EF	Replace water heater with a power-vented water heater with an EF of .65 or greater. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	
310	Replace Central Air Conditioning Unit	Install 16 SEER, 13 EER split system central air conditioning unit, following local building code. Using OEM performance information and industry-approved procedures, confirm that the selected equipment satisfies/meets the load requirements at the system design conditions.	
500	Seal Attic Bypasses	Contractor shall seal all attic bypasses. Bypasses shall be defined as any break in the envelope of a house between a heated living space and an unheated area or exterior. Bypass locations include, but are not limited to, the following areas: chimneys, soil stacks, end walls, dropped ceilings, open plumbing walls, beneath kneewalls and around duct work, electrical work and attic access points. Bypasses shall be sealed in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Materials to be used for sealing bypasses depend on the size and location of the bypass and meet code requirements. These materials include high quality caulks (20-year life span), polyethylene rod stock, foam, sheetrock, sheet metal, extruded polystyrene and densely packed insulation.	

510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	
524	Insulate Flat Roof	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Insulate to R-50. If there is not enough room, insulate to capacity.	This refers to the ceiling of the first floor back room under 2 nd floor porch.
800	Air Seal Rim Joist	Seal cracks and holes in rim joist using caulk, foam or other air tight materials.	
910	Insulate crawl space ceiling	Install poly on the ground. Crawl space shall be insulated by installing 6" (R19) encapsulated fiberglass batts permanently and directly against the floorboards above. Alternatively, spray cavities to R-19.	first floor back room
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	

1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof vent.	
1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	
1210	Install ENERGY STAR Rated Washing Machine	Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	
1212	Install ENERGY STAR Rated Dishwasher	Install ENERGY STAR rated dishwasher including all alterations and connections to plumbing and electric system. Remove existing dishwasher, recycle all metal components and dispose of all other materials in a code legal dump.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	



ASBESTOS LABORATORY REPORT

Prepared for

AllPhase Companies, Inc.

PROJECT: 775 Magnolia Ave. E.; 1596-12S-T

CEI LAB CODE: A12-3540

DATE REPORTED: 04/26/12

TOTAL SAMPLES ANALYZED: 19

SAMPLES >1% ASBESTOS: 4

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 775 Magnolia Ave. E.; 1596-12S-T

CEI LAB CODE: A12-3540

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
M-1		A1282285A	Grey	Transite	Chrysotile 15%
		A1282285B	Black	Tarpaper	Chrysotile <1%
M-2		A1282286	Grey	Stucco	None Detected
M-3		A1282287	Off-white	Paper Under Siding	Chrysotile 65%
M-4		A1282288	Off-white	Glazing	None Detected
M-5		A1282289	Off-white	Glazing	None Detected
M-6		A1282290	Brown	Insulation	Chrysotile 65%
M-7	Layer 1	A1282291	Off-white,White	Plaster Skim Coat	None Detected
	Layer 2	A1282291	Grey	Plaster Base Coat	None Detected
M-8		A1282292	Off-white	Sheetrock Composite	None Detected
M-9		A1282293A	Grey	Floor Tile	None Detected
		A1282293B	Clear	Mastic	None Detected
M-10		A1282294A	Tan	Floor Tile	None Detected
		A1282294B	Brown	Mastic	None Detected
M-11		A1282295	Off-white	Flooring	None Detected
M-12		A1282296A	Tan	Floor Tile	Chrysotile 3%
		A1282296B	Tan,Black	Mastic	None Detected
M-13		A1282297	Green	Floor Tile	None Detected
M-14		A1282298	Black	Sheet Flooring	None Detected
M-15	Layer 1	A1282299	Purple	Textured Surface Material	None Detected
	Layer 2	A1282299	White	Plaster Skim Coat	None Detected
M-16	Layer 1	A1282300	White	Textured Surface Material	None Detected
	Layer 2	A1282300	White	Plaster Skim Coat	None Detected
M-17		A1282301	Brown	Adhesive	None Detected
M-18		A1282302A	Black	Floor Tile	None Detected
		A1282302B	Clear	Mastic	None Detected
M-19		A1282303A	Black	Floor Tile	None Detected
		A1282303B	Clear	Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

CEI Lab Code: A12-3540

Date Received: 04-25-12

Date Reported: 04-25-12

Project: 775 Magnolia Ave. E.; 1596-12S-T

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
M-1 A1282285A	Transite	Homogeneous Grey Fibrous Tightly Bound			85% Binder	15% Chrysotile
A1282285B	Tarpaper	Homogeneous Black Non-fibrous Bound	25%	Cellulose	50% Tar 25% Silicates	<1% Chrysotile
Lab Notes: Analyst Opinion: tarpaper contaminated from positive transite						
M-2 A1282286	Stucco	Homogeneous Grey Non-fibrous Bound			50% Binder 35% Calc Carb 15% Silicates	None Detected
M-3 A1282287	Paper Under Siding	Homogeneous Off-white Fibrous Loosely Bound	15%	Cellulose	20% Binder	65% Chrysotile
M-4 A1282288	Glazing	Heterogeneous Off-white Non-fibrous Bound			50% Binder 35% Calc Carb 15% Silicates	None Detected
M-5 A1282289	Glazing	Heterogeneous Off-white Non-fibrous Bound			50% Binder 35% Calc Carb 15% Silicates	None Detected
M-6 A1282290	Insulation	Heterogeneous Brown Fibrous Loosely Bound	15%	Cellulose	20% Binder	65% Chrysotile



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

CEI Lab Code: A12-3540

Date Received: 04-25-12

Date Reported: 04-25-12

Project: 775 Magnolia Ave. E.; 1596-12S-T

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
M-7	Plaster Skim Coat	Heterogeneous			70%	Calc Carb	None Detected
Layer 1		Off-white,White			20%	Silicates	
A1282291		Non-fibrous			10%	Paint	
		Loosely Bound					
Layer 2	Plaster Base Coat	Homogeneous	<1%	Hair	75%	Silicates	None Detected
A1282291		Grey			25%	Binder	
		Fibrous					
		Bound					
M-8	Sheetrock Composite	Heterogeneous	15%	Cellulose	60%	Gypsum	None Detected
A1282292		Off-white			20%	Calc Carb	
		Fibrous			5%	Paint	
		Loosely Bound					
M-9	Floor Tile	Heterogeneous			50%	Vinyl	None Detected
A1282293A		Grey			35%	Calc Carb	
		Non-fibrous			15%	Silicates	
		Tightly Bound					
A1282293B	Mastic	Homogeneous	5%	Cellulose	75%	Mastic	None Detected
		Clear			20%	Silicates	
		Non-fibrous					
		Tightly Bound					
M-10	Floor Tile	Heterogeneous			50%	Vinyl	None Detected
A1282294A		Tan			35%	Calc Carb	
		Non-fibrous			15%	Silicates	
		Tightly Bound					
A1282294B	Mastic	Homogeneous	5%	Cellulose	75%	Mastic	None Detected
		Brown			20%	Silicates	
		Non-fibrous					
		Tightly Bound					
M-11	Flooring	Heterogeneous	50%	Cellulose	50%	Vinyl	None Detected
A1282295		Off-white					
		Fibrous					
		Bound					



ASBESTOS BULK ANALYSIS

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Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

CEI Lab Code: A12-3540

Date Received: 04-25-12

Date Reported: 04-25-12

Project: 775 Magnolia Ave. E.; 1596-12S-T

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
M-12 A1282296A	Floor Tile	Heterogeneous Tan Non-fibrous Bound		60% 25% 15%	Vinyl Calc Carb Silicates	3% Chrysotile
A1282296B	Mastic	Heterogeneous Tan,Black Non-fibrous Bound	10%	Cellulose	70% 20% Silicates	None Detected
M-13 A1282297	Floor Tile	Heterogeneous Green Non-fibrous Bound		60% 25% 15%	Vinyl Calc Carb Silicates	None Detected
M-14 A1282298	Sheet Flooring	Heterogeneous Black Fibrous Bound	40% 10%	Cellulose Fiberglass	45% 5% Vinyl Mastic	None Detected
M-15 Layer 1 A1282299	Textured Surface Material	Heterogeneous Purple Non-fibrous Bound		50% 50%	Calc Carb Paint	None Detected
Layer 2 A1282299	Plaster Skim Coat	Homogeneous White Non-fibrous Loosely Bound		70% 30%	Calc Carb Binder	None Detected
M-16 Layer 1 A1282300	Textured Surface Material	Heterogeneous White Non-fibrous Loosely Bound		60% 30% 10%	Calc Carb Binder Foam	None Detected
Layer 2 A1282300	Plaster Skim Coat	Homogeneous White Non-fibrous Loosely Bound		70% 30%	Calc Carb Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland, MN 55043

CEI Lab Code: A12-3540

Date Received: 04-25-12

Date Reported: 04-25-12

Project: 775 Magnolia Ave. E.; 1596-12S-T

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
M-17 A1282301	Adhesive	Heterogeneous Brown Non-fibrous Bound	10%	Cellulose	90%	Mastic	None Detected
M-18 A1282302A	Floor Tile	Heterogeneous Black Non-fibrous Tightly Bound			50% 35% 15%	Vinyl Calc Carb Silicates	None Detected
A1282302B	Mastic	Heterogeneous Clear Non-fibrous Bound	5%	Cellulose	75% 20%	Mastic Silicates	None Detected
M-19 A1282303A	Floor Tile	Heterogeneous Black Non-fibrous Tightly Bound			50% 35% 15%	Vinyl Calc Carb Silicates	None Detected
A1282303B	Mastic	Heterogeneous Clear Non-fibrous Bound	5%	Cellulose	75% 20%	Mastic Silicates	None Detected



LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: **EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020**

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

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ANALYST: _____

A handwritten signature in black ink, appearing to read "Susannah Small", written over a horizontal line.

Susannah Small

APPROVED BY: _____

A handwritten signature in black ink, appearing to read "Tianbao Bai", written over a horizontal line.

Tianbao Bai, Ph.D.
Laboratory Director





107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY CONTACT INFORMATION

Company: <i>AllPhase Companies, Inc.</i>	Client #:
Address: <i>404-A St. Croix Trl N. Lakeland, MN 55043</i>	Job Contact: <i>David Jenkin</i>
	Email: <i>allphasecompany@gwstoffice.net</i>
	Tel: <i>651-436-2930</i>
Project Name: <i>775 Magnolia Ave. E.</i>	Fax: <i>-3918</i>
Project ID #: <i>1596-125-T</i>	P.O. #:

ASBESTOS	METHOD	TURN AROUND TIME						
		4 HR*	8 HR*	12 HR*	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAVIMETRIC	EPA 600		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA Level II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	CEI LABS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD PAINT	METHOD	4 HR*	8 HR*	12 HR*	24 HR	2 DAY	3 DAY	5 DAY
LEAD PAINT	EPA SW846 7000B					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD WIPE	EPA SW846 7000B					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD SOIL	EPA SW846 7000B					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LEAD AIR	NIOSH 7082					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS:



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>David Jenkin</i>	<i>4/20/12</i>	<i>David Jenkin</i>	<i>4/25/12 11:35AM</i>

*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis



CEI LABS

COMPANY CONTACT INFORMATION	
Company: AllPhase Companies, Inc.	Job Contact: David Jenkin
Project Name: 775 775 Magnolia Ave. E.	
Project ID #: 1596-125-T	Tel: 651-436-2930

Page 1 of 1

Midwest Environmental Consulting, L.L.C.



April 30, 2012

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family Residential Property, 775 Magnolia Avenue East, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family residential located at 775 Magnolia Avenue East, St. Paul, Minnesota on April 27, 2012.

Andrew Myers, Environmental Project Manager with MEC and licenced lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, *"Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance."* Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The single family property located at 775 Magnolia Avenue East, St. Paul, Minnesota is a two story wood framed structure on a concrete foundation/basement constructed in

approximately the early 1900's. The interior walls and ceilings are primarily plaster. The window systems are primarily original vintage. It appears that the property had been used as a duplex at some time in it's history. There is currently not a kitchen on the second floor. The exterior had a wood pressed fiberboard type of siding with wood soffits, fascia & trim. Some exterior window and door trim had aluminum cladding. There is a newer vintage detached garage with vinyl siding and aluminum soffits & trim present on the property. The garage was not tested as a part of the evaluation because of the newer construction.

The property is currently vacant.

Bare soil was observed and a bare soil sample was collected.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303A X-Ray Fluorescence Spectrum Analyzers (Serial # 26848).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of $1.0 \text{ mg}/\text{cm}^2$ when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based

paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: South, faces Magnolia Avenue
Side B: West, adjoins faces residential property
Side C: North, faces garage
Side D: East, adjoins Weide Street

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm²) are listed below:

LOCATION	COMPONENT
Porch	Painted wood window components
Porch	Painted wood door components
Porch	Painted wood floor
Porch	Painted wood walls & trim
Front Entry Stairway	Painted plaster walls & ceiling
Living Room	Painted wood closet baseboards
Living Room	Painted wood closet coat rack
Living Room	Painted plaster closet walls
Living Room	Painted plaster walls
Dining Room	Painted plaster walls
Pantry	Painted plaster walls & ceiling
Pantry	Painted wood crown molding
Pantry	Painted wood window components
Pantry	Painted wood door components
Pantry	Painted metal coat rack

Kitchen	Painted wood doors & door components (including closet door)
Kitchen	Painted wood window components
Kitchen	Painted wood baseboards
Kitchen	Painted plaster walls
1 st Floor Bathroom	Painted wood door & door components
Bedroom 1	Painted wood window components
Bedroom 1	Painted plaster walls & ceiling
Back Stairway	Painted wood ceiling
Back Stairway	Painted wood window components (all floors)
Back Stairway	Painted wood doors & door components (all floors)
Back Stairway	Painted wood newel post & rail cap
Back Stairway	Painted wood floors
Back Stairway	Painted wood walls
Back Stairway	Painted wood stair treads, risers & stringer
Basement	Painted wood wall
Basement	Painted wood closet doors
Basement	Painted metal & wood columns
Basement	Painted wood window components
2 nd Floor Hall	Painted wood doors & door components
2 nd Floor Hall	Painted wood baseboards
2 nd Floor Hall	Painted wood window components
2 nd Floor Hall	Painted plaster walls & ceiling
2 nd Floor Hall	Painted wood attic door
Bedroom 2	Painted wood door components (including closet door)
Bedroom 2	Painted wood baseboards
Bedroom 2	Painted wood window components

Bedroom 2	Painted wood closet coat rack
Bedroom 2	Painted plaster walls & ceiling
Floor 2, Room 1	Painted wood window components
Floor 2, Room 1	Painted wood baseboards
Floor 2, Room 1	Painted wood door components (including closet door)
Floor 2, Room 1	Painted plaster walls
Floor 2, Room 2	Painted wood baseboards
Floor 2, Room 3	Painted wood closet shelf & shelf support
Floor 2, Room 3	Painted plaster walls & ceiling (including closet walls)
Floor 2, Room 4	Painted plaster walls & ceiling
Floor 2, Room 4	Painted wood shelf
Floor 2, Back Entry	Painted plaster walls & ceiling
2 nd Floor Bathroom	Painted plaster walls & ceiling
Exterior	Painted wood window components
Exterior	Painted wood siding, soffit & trim
Exterior	Painted metal window casing
Throughout	All painted wood window components
Throughout	All painted wood interior millwork (i.e. baseboards, door trim, crown molding etc.)

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through use of a visual inspection of the dwelling; and reviewing paint test data, and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately the early 1900's.
- The property is a single family residential structure.
- Interior walls & ceilings are primarily plaster.
- Window systems are primarily original vintage double hung wood windows.
- The exterior siding, soffit, fascia & trim are wood with some window & door casings clad with aluminum.
- There is a detached wood framed newer vintage garage with vinyl siding & metal soffits etc.
- Bare soil was observed.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior and the exterior of the structure is mainly in poor condition with some components in fair or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm² action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was observed and a bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0412A-W1 4/25/12	Porch, Side A, Entry, floor	11,000 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W2 4/25/12	Porch, Side A, Entry, window stool	2,800 $\mu\text{g}/\text{ft}^2$	250 $\mu\text{g}/\text{ft}^2$
502/0412A-W3 4/25/12	Bedroom 1, Side B, window stool	3,500 $\mu\text{g}/\text{ft}^2$	250 $\mu\text{g}/\text{ft}^2$
502/0112A-W4 4/25/12	Bedroom 1, Side B, floor	33 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W5 4/25/12	Back Stair, Side C, entry floor	250 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W6 4/25/12	2 nd Floor Hall, Side A, entry from stair, floor	510 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W7 4/25/12	2 nd Floor, Back Entry, floor	430 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W8 4/25/12	Bedroom 2, Side A, floor	210 $\mu\text{g}/\text{ft}^2$	40 $\mu\text{g}/\text{ft}^2$
502/0412A-W9 4/25/12	Bedroom 2, Side A, window trough	88,000 $\mu\text{g}/\text{ft}^2$	400 $\mu\text{g}/\text{ft}^2$
502/0412A-W10 4/25/12	Blind Field Blank	<10 $\mu\text{g}/\text{ft}^2$	-----
502/012A-S1 4/25/12	Bare Soil Foundation	790 ppm	100 ppm

* Unit Abbreviations: $\mu\text{g}/\text{ft}^2$ = micrograms per square foot ppm=parts per million

Dust wipe samples and a bare soil sample were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project.

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood porch ceiling, original vintage interior & exterior window components, painted wood interior & exterior door components, painted wood interior millwork & plaster walls & ceilings.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

Porch:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood floor: In poor condition.

- Option 1: Remove coatings to a bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove floor to substrate using Lead Safe Work Practices and replace with new lead free flooring products.

Painted wood walls & trim: In poor condition.

- Option 1: Remove wall system using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.

- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Front Stairway Entry:

Painted plaster walls & ceiling: In intact condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Living Room:

Painted wood closet baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet coat rack: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls (including closet walls): In poor to fair condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace

with new lead free products.

- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Dining Room:

Painted plaster walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Pantry:

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood crown molding: In poor condition.

- Option 1: Remove crown molding using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted metal coat rack: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Kitchen:

Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance

- Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

1st Floor Bathroom:

Painted wood door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 1 (1st Floor):

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Back Stairway:

Painted wood walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and

- replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components (all floors): In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood doors & door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood newel cap & rail cap: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood floors (1st & 2nd floors): In poor condition.

- Option 1: Remove coatings to a bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove floor to substrate using Lead Safe Work Practices and replace with new lead free flooring products.

Painted wood stair treads & stair riser stringer: In poor condition.

- Option 1: Remove stair system using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Basement:

Painted wood walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet doors & door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood & metal columns: In poor condition.

- Option 1: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor Hall:

Painted wood doors & door components: In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.

- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 2 (2nd Floor):

Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood coat rack: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor, Room 1:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood door components (including closet door): In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls: In poor condition.

- Option 1: Remove wall systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor, Room 2:

Painted wood baseboards: In poor condition.

- Option 1: Remove baseboards using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor, Room 3:

Painted wood closet shelf & shelf supports: In poor condition.

- Option 1: Remove shelf & supports using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted plaster walls & ceiling (including closet walls): In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation &

- Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor, Room 4:

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood shelf:

- Option 1: Remove shelf using Lead Safe Work Practices and replace with new lead free components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Back Entry, 2nd Floor:

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

2nd Floor Bathroom:

Painted plaster walls & ceiling: In poor condition.

- Option 1: Remove wall & ceiling systems using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an Operation & Maintenance Plan with ongoing monitoring.

- Option 3: Encapsulate with an approved lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Exterior:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw opening using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Metal window cladding (depth index indicates lead beneath the metal surfaces): In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Make sure that seams and seals are maintained in a sealed condition using elastomeric caulking.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood siding: In poor condition.

- Option 1: Remove siding using Lead Safe Work Practices and replace with lead free products.
- Option 2: Enclose under a dust tight barrier, such as low maintenance siding, using Lead Safe Work Practices and include into an Operation & Maintenance Plan with ongoing monitoring. Ensure that all seams & seals are maintained in a sealed condition with elastomeric caulk.
- Option 3: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with new lead free coatings.

Painted wood soffits & fascia & trim: In poor condition.

- Option 1: Remove components using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under dust tight barrier such as metal cladding and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 3: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Note: All interior painted wood millwork including, door & window trim, baseboards, crown molding, shelving etc. is to be considered to be elevated for lead-based paint. Lead Safe Work Practices will need to be used for any removal & replacement of components, removal of coatings to substrates, encapsulation or enclosure.

Lead Dust:

Dust was identified as a lead hazard on window and floor surfaces tested. All floors and window systems should be cleaned and made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and clearance testing.

Bare Soil:

Bare soil was observed and a bare soil sample was collected and found to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm² was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil was found to be above defined action levels.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to

preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm² threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately \$75.00 to \$250.00 per room.
- Window replacement, approximately \$150.00 and up, depending on style.
- Exterior preparation approximately \$35.00 to \$75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: \$0.15 to \$0.35 per square foot.
- Paint stabilization: \$0.20 to \$0.65 per square foot.
- Removal: Paint - chemical stripper: \$0.65 to \$1.50 square foot.
- Soil Remediation:

- a. Clean-up of visible exterior paint chips: \$0.90 to \$1.35 square foot.
- b. Seed and tack grass: \$0.45 to \$0.75 square foot.
- c. Sod: \$1.25 to \$3.30 square foot.
- d. Regrade at foundation and sod: \$3.00 to \$5.00 square foot.
- e. Mulch - 4": \$0.50 to \$0.90 square foot.
- f. Concrete: \$4.50 to \$8.00 square foot.
- g. Replace soil: \$42.00 to \$65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

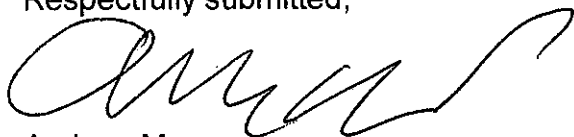
Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,



Andrew Myers
Environmental Services Project Manager

APPENDIX A
INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC

125 Railroad Ave SW

Mora, Minnesota 55051


in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200,
to practice in the State of Minnesota as a

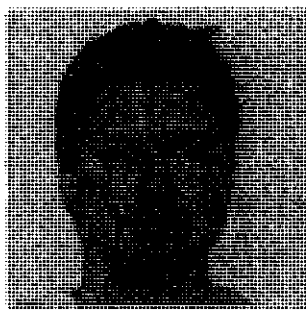
Certified Lead Firm

License No: LF551

Expires 03/28/2013

This certificate is nontransferable.


Linda B. Bruemmer, Director
Division of Environmental Health



Andrew J. Myers
Director, Env. Health Div.

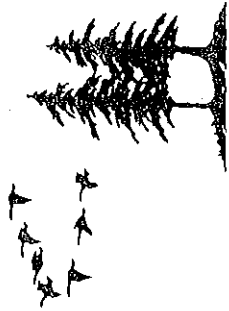


**LEAD
Risk Assessor**

Licensed by:
State of Minnesota
Department of Health

License No. LR578
Expires 08/26/2012

Andrew J Myers
210 2nd St N
New Prague, MN 56071



Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.

145 - 2nd Avenue SE, Cambridge, MN 55008

Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

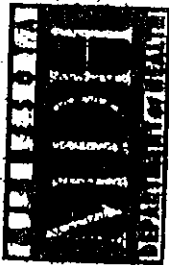
IDENTIFICATION NUMBER: MEC/LRAR 0847

Expiration Date: August 25, 2012

MDH Permit Number: RAR-006

Andrew J. Myers
Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.



I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001

Morris, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Leaded Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2nd Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, AT MOHAWK, MINNESOTA

IDENTIFICATION NUMBER: 00311-0003
Examination Date: March 14, 2002
SDS Permit No. 11-003

Sheryl Myers
Course Director



RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

A handwritten signature in cursive script, reading "Patricia A. Bloomgren".

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead-Based Paint Risk Assessor Training

June 25-26, 2001

given by

Midwest Environmental Consulting, LLC.
145 - 2nd Avenue SE, Cambridge, MN 55008

• SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 28, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MESC/LPA 0111

Expiration Date: June 28, 2002

LEAD PAINT & PAI-992

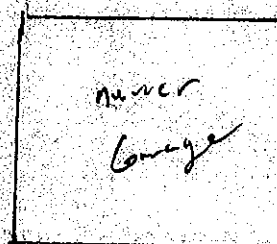
Gregory J. Myers
Course Director

APPENDIX B

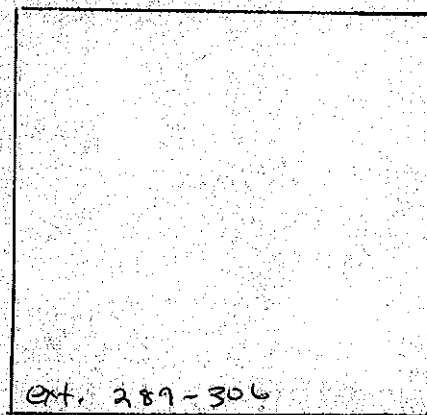
**XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA**

775 Magnolia Ave E
St. Paul MN

N
↑



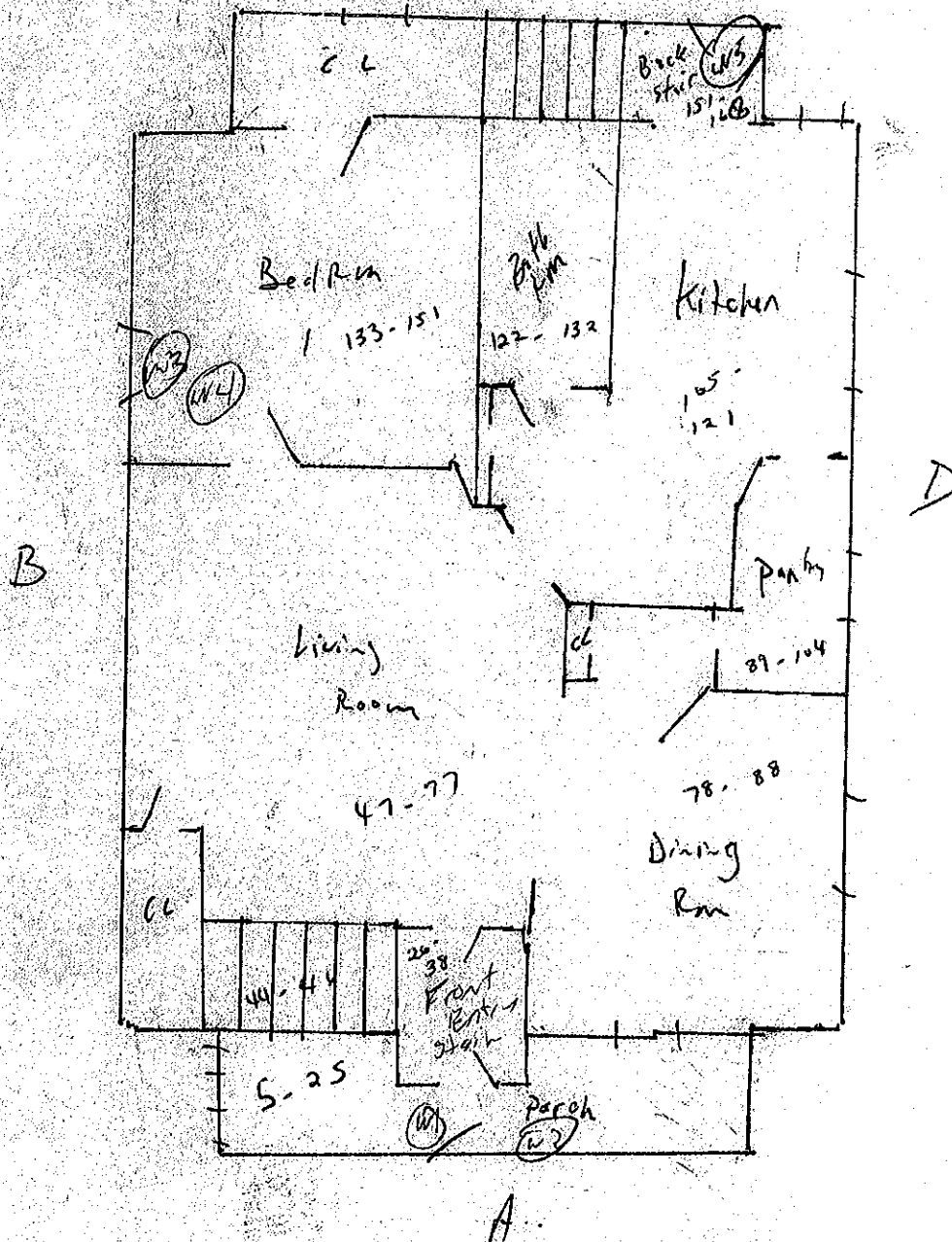
Residential



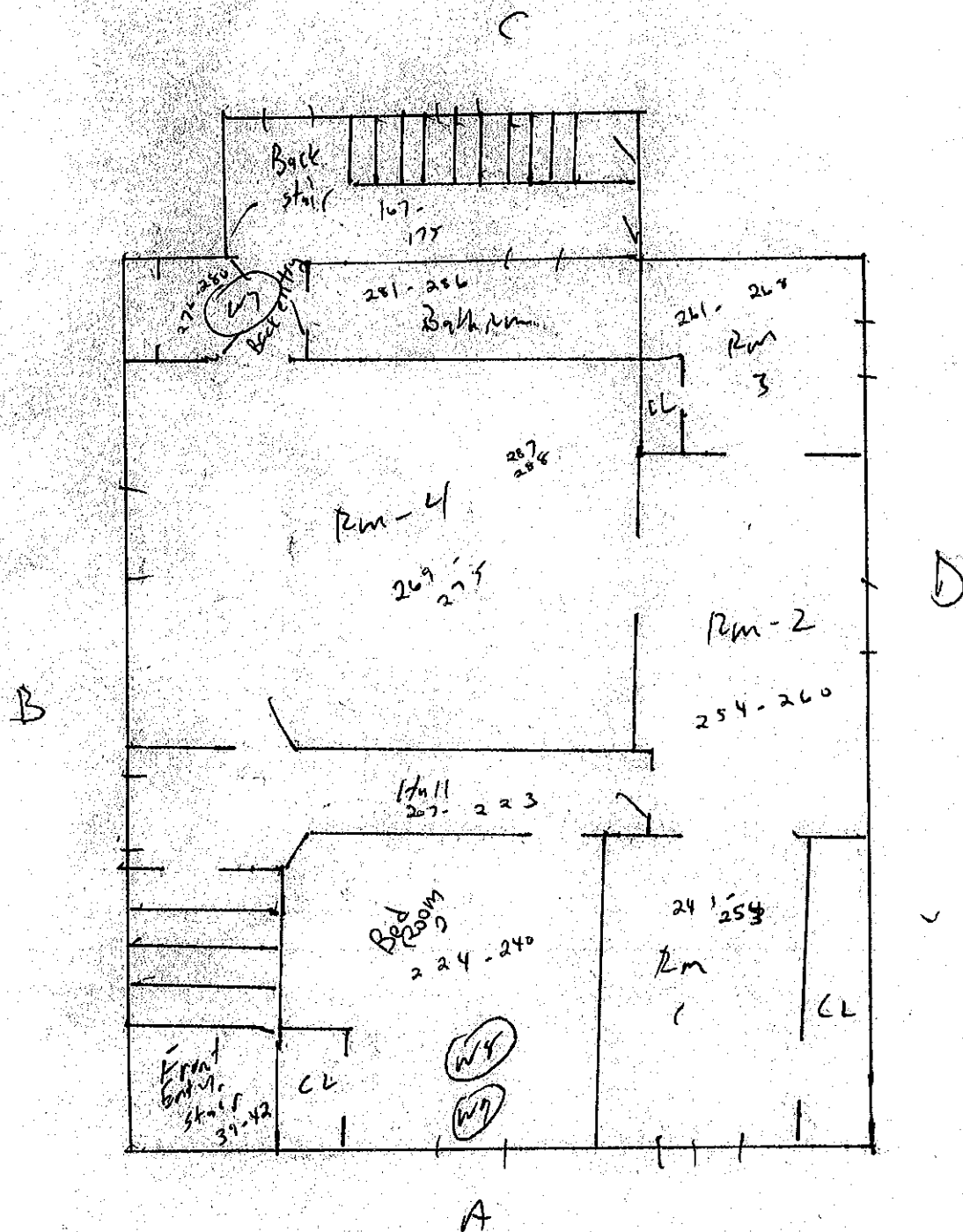
Wanda St

Magnolia Ave E

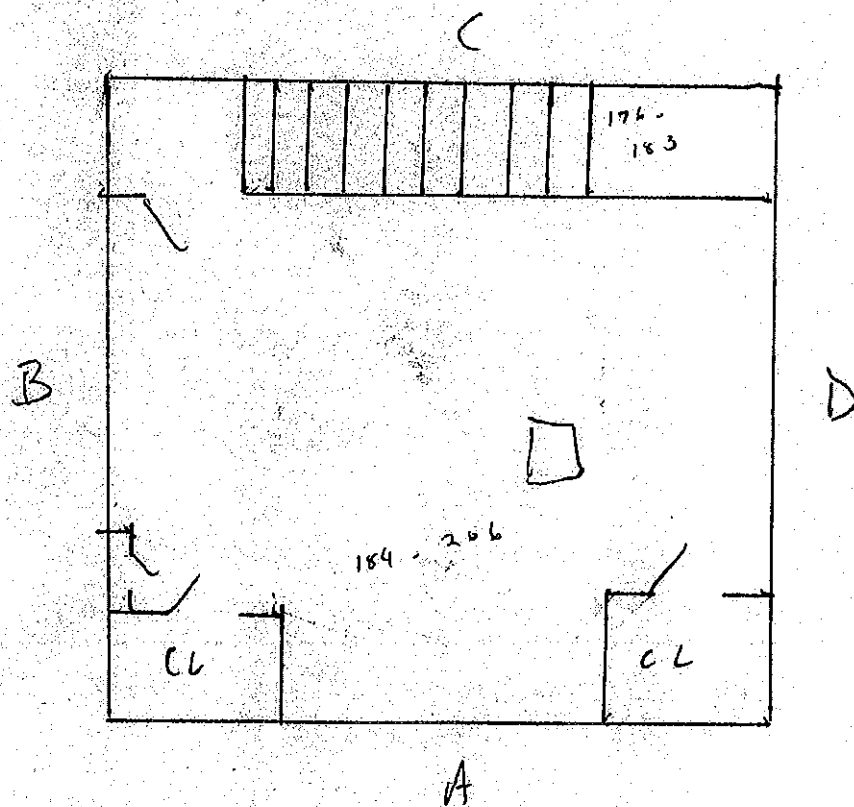
775 Magnolia Ave E
St. Paul
1st Flr



775 Magnolia Ave E
St. Paul MN
2nd F/R



775 Magnolia Ave E
St. Paul MN
Basement



Site: All Phase Company, 775 Magnolia Avenue East, St. Paul MN																		
Date: April 27, 2012																		
XRF: 303A, Serial #26848																		
Site	XRF	Date	Time	Floor	Room	Rm	Side	Component	Substrate	Condition	Color	Results	Duration	PbC	PbI	PbK	Depth	Resp
		1	4/27/2012	12:20									44.3	6.48	1.44	0		AM
775 Magnolia		2	4/27/2012	12:23				calibrate				POS	17.62	1.1	1.1	< LOD	1.14	AM
775 Magnolia		3	4/27/2012	12:24				calibrate				POS	28.38	1	1	< LOD	1.08	AM
775 Magnolia		4	4/27/2012	12:24				calibrate				POS	24.48	1	1	< LOD	1.09	AM
775 Magnolia		5	4/27/2012	12:25	1	PORCH	A	DOOR	METAL	INTACT	WHITE	Neg	5.71	< LOD	< LOD	< LOD	1	AM
775 Magnolia		6	4/27/2012	12:25	1	PORCH	A	DOOR jamb	WOOD	INTACT	BEIGE	Neg	5.64	< LOD	< LOD	< LOD	1	AM
775 Magnolia		7	4/27/2012	12:26	1	PORCH	A	DOOR casing	WOOD	POOR	RED	Neg	5.7	0.05	0.05	< LOD	1.07	AM
775 Magnolia		8	4/27/2012	12:27	1	PORCH	A	WINDOW casing	WOOD	POOR	RED	Neg	5.69	0.08	0.08	< LOD	1.09	AM
775 Magnolia		9	4/27/2012	12:27	1	PORCH	A	WINDOW sash	WOOD	POOR	RED	Neg	4.54	0.04	0.04	< LOD	1.06	AM
775 Magnolia		10	4/27/2012	12:28	1	PORCH	C	WINDOW sash	WOOD	POOR	WHITE	POS	6.26	5.3	5	5.3	3.16	AM
775 Magnolia		11	4/27/2012	12:28	1	PORCH	C	WINDOW sill	WOOD	POOR	WHITE	POS	5.71	23.4	10.1	23.4	5.29	AM
775 Magnolia		12	4/27/2012	12:28	1	PORCH	C	WINDOW casing	WOOD	POOR	WHITE	POS	5.16	17.5	8.4	17.5	3.59	AM
775 Magnolia		13	4/27/2012	12:29	1	PORCH	C	WINDOW sash	WOOD	POOR	WHITE	Neg	5.69	0.4	0.4	< LOD	1.63	AM
775 Magnolia		14	4/27/2012	12:29	1	PORCH	C	DOOR	WOOD	POOR	Varnish	Neg	5.63	0.13	0.13	< LOD	1	AM
775 Magnolia		15	4/27/2012	12:30	1	PORCH	C	DOOR jamb	WOOD	POOR	WHITE	POS	5.11	22.7	10.1	22.7	3.43	AM
775 Magnolia		16	4/27/2012	12:30	1	PORCH	C	DOOR casing	WOOD	POOR	WHITE	POS	5.69	12.1	5	12.1	5.45	AM
775 Magnolia		17	4/27/2012	12:31	1	PORCH	C	DOOR threshold	WOOD	POOR	grey	POS	9.1	8.5	5.8	8.5	2.43	AM
775 Magnolia		18	4/27/2012	12:31	1	PORCH		FLOOR	WOOD	POOR	grey	POS	5.11	20.4	10.1	20.4	3.86	AM
775 Magnolia		19	4/27/2012	12:31	1	PORCH		CEILING	WOOD	POOR	RED	Neg	5.1	0.15	0.15	< LOD	1.14	AM
775 Magnolia		20	4/27/2012	12:32	1	PORCH	A	TRIM	WOOD	POOR	WHITE	POS	5.13	20	10.1	20	3.84	AM
775 Magnolia		21	4/27/2012	12:32	1	PORCH	A	WALL	WOOD	POOR	WHITE	Neg	6.28	0.5	0.5	< LOD	2.12	AM
775 Magnolia		22	4/27/2012	12:33	1	PORCH	A	WALL	WOOD	POOR	WHITE	Neg	6.24	0.18	0.18	< LOD	1.51	AM
775 Magnolia		23	4/27/2012	12:33	1	PORCH	B	WALL	WOOD	POOR	WHITE	Neg	5.69	0.3	0.3	< LOD	2.01	AM
775 Magnolia		24	4/27/2012	12:33	1	PORCH	C	WALL	WOOD	POOR	WHITE	POS	9.1	36.2	10.1	36.2	5.11	AM
775 Magnolia		25	4/27/2012	12:34	1	PORCH	D	WALL	WOOD	POOR	WHITE	Neg	5.7	0.3	0.3	< LOD	2.18	AM
775 Magnolia		26	4/27/2012	12:35	1	Front Entry Stair	A	DOOR	WOOD	POOR	Varnish	Neg	5.68	0.07	0.07	< LOD	1	AM
775 Magnolia		27	4/27/2012	12:35	1	Front Entry Stair	A	DOOR CASING	WOOD	POOR	Varnish	Neg	5.67	0.04	0.04	< LOD	1.05	AM
775 Magnolia		28	4/27/2012	12:36	1	Front Entry Stair	A	BASEBOARD	WOOD	POOR	Varnish	Neg	9.65	0.05	0.05	< LOD	1	AM
775 Magnolia		29	4/27/2012	12:36	1	Front Entry Stair	A	BASEBOARD	WOOD	POOR	Varnish	Neg	5.11	0.12	0.12	< LOD	1.35	AM
775 Magnolia		30	4/27/2012	12:36	1	Front Entry Stair		FLOOR	WOOD	POOR	Varnish	Neg	5.69	0.07	0.07	< LOD	1	AM
775 Magnolia		31	4/27/2012	12:36	1	Front Entry Stair	C	DOOR	WOOD	POOR	Varnish	Neg	5.66	0.07	0.07	< LOD	1.12	AM
775 Magnolia		32	4/27/2012	12:37	1	Front Entry Stair	C	DOOR JAMB	WOOD	POOR	Varnish	Neg	5.14	0.05	0.05	< LOD	1	AM
775 Magnolia		33	4/27/2012	12:37	1	Front Entry Stair	C	hand rail	WOOD	POOR	Varnish	Neg	6.24	0.07	0.07	< LOD	1	AM
775 Magnolia		34	4/27/2012	12:38	1	Front Entry Stair	A	WINDOW casing	WOOD	POOR	Varnish	Neg	5.68	0.04	0.04	< LOD	1.16	AM
775 Magnolia		35	4/27/2012	12:38	1	Front Entry Stair	A	WINDOW sash	WOOD	POOR	Varnish	Neg	5.69	0.03	0.03	< LOD	1.17	AM
775 Magnolia		36	4/27/2012	12:38	1	Front Entry Stair	A	corner trim	WOOD	POOR	Varnish	Neg	5.1	0.11	0.11	< LOD	1.28	AM

Site	Ref.	Date	Time	Floor	Room	Find	Sub-Component	Substrate	Condition	Color	Results	Duration	PbC	PbI	PbC	Depth	Insp.
775 Magnolia	37	4/27/2012	12:39	1	Front Entry Stair	B	TREAD	WOOD	POOR	Varnish	Neg	5.7	0.1	0.1	< LOD	1.12	AM
775 Magnolia	38	4/27/2012	12:39	1	Front Entry Stair	B	RISER	WOOD	POOR	Varnish	Neg	5.64	0.08	0.08	< LOD	1	AM
775 Magnolia	39	4/27/2012	12:40	2	Front Entry Stair	C	DOOR	WOOD	POOR	WHITE	Neg	5.69	< LOD	< LOD	< LOD	1	AM
775 Magnolia	40	4/27/2012	12:40	2	Front Entry Stair	C	DOOR casing	WOOD	POOR	WHITE	Neg	5.11	< LOD	< LOD	< LOD	1	AM
775 Magnolia	41	4/27/2012	12:41	2	Front Entry Stair	D	WALL	PLASTER	INTACT	BEIGE	POS	18.14	1.6	0.6	1.6	5.49	AM
775 Magnolia	42	4/27/2012	12:41	2	Front Entry Stair	B	WALL	PLASTER	INTACT	BEIGE	POS	13.58	2.2	0.5	2.2	6.49	AM
775 Magnolia	43	4/27/2012	12:42	1	Front Entry Stair	A	WALL	PLASTER	INTACT	BEIGE	POS	12.51	2.1	0.8	2.1	10	AM
775 Magnolia	44	4/27/2012	12:42	1	Front Entry Stair	C	WALL	PLASTER	INTACT	BEIGE	POS	15.91	1.6	0.9	1.6	9.72	AM
775 Magnolia	45	4/27/2012	12:42	1	Front Entry Stair		CEILING	PLASTER	INTACT	BEIGE	POS	10.23	2	0.7	2	6.73	AM
775 Magnolia	46	4/27/2012	12:43	1	Front Entry Stair	D	vent	METAL	POOR	WHITE	Neg	9.61	< LOD	< LOD	< LOD	1.41	AM
775 Magnolia	47	4/27/2012	12:44	1	LIVING ROOM	C	vent	METAL	POOR	WHITE	Neg	5.65	< LOD	< LOD	< LOD	1	AM
775 Magnolia	48	4/27/2012	12:45	1	LIVING ROOM	A	DOOR	WOOD	POOR	Varnish	Neg	5.71	< LOD	< LOD	< LOD	1	AM
775 Magnolia	49	4/27/2012	12:45	1	LIVING ROOM	A	DOOR casing	WOOD	POOR	Varnish	Neg	5.69	< LOD	< LOD	< LOD	1	AM
775 Magnolia	50	4/27/2012	12:45	1	LIVING ROOM	A	DOOR threshold	WOOD	POOR	Varnish	Neg	9.08	0.11	0.11	< LOD	1.02	AM
775 Magnolia	51	4/27/2012	12:46	1	LIVING ROOM		FLOOR	WOOD	POOR	Varnish	Neg	5.68	< LOD	< LOD	< LOD	1.83	AM
775 Magnolia	52	4/27/2012	12:46	1	LIVING ROOM	A	BASEBOARD	WOOD	POOR	Varnish	Neg	5.68	0.04	0.04	< LOD	1.23	AM
775 Magnolia	53	4/27/2012	12:46	1	LIVING ROOM	A	crown molding	WOOD	POOR	Varnish	Neg	5.67	< LOD	< LOD	< LOD	1	AM
775 Magnolia	54	4/27/2012	12:47	1	LIVING ROOM	D	COLUMN	WOOD	POOR	Varnish	Neg	5.67	< LOD	< LOD	< LOD	1	AM
775 Magnolia	55	4/27/2012	12:47	1	LIVING ROOM	D	CABINET	WOOD	POOR	Varnish	Neg	5.7	0.05	0.05	< LOD	1	AM
775 Magnolia	56	4/27/2012	12:48	1	LIVING ROOM	D	CABINET	WOOD	POOR	Varnish	Neg	9.64	0.07	0.07	< LOD	1.08	AM
775 Magnolia	57	4/27/2012	12:48	1	LIVING ROOM	B	WINDOW casing	WOOD	POOR	Varnish	Neg	5.69	< LOD	< LOD	< LOD	1	AM
775 Magnolia	58	4/27/2012	12:49	1	LIVING ROOM	B	WINDOW sash	WOOD	POOR	Varnish	Neg	5.68	< LOD	< LOD	< LOD	1.07	AM
775 Magnolia	59	4/27/2012	12:49	1	LIVING ROOM	A	CLOSET dr	WOOD	POOR	Varnish	Neg	5.1	0.07	0.07	< LOD	1.33	AM
775 Magnolia	60	4/27/2012	12:49	1	LIVING ROOM	A	CLOSET dr casing	WOOD	POOR	Varnish	Neg	5.69	< LOD	< LOD	< LOD	1.68	AM
775 Magnolia	61	4/27/2012	12:50	1	LIVING ROOM	A	C1st Baseboard	WOOD	POOR	BEIGE	POS	5.69	7.8	6.8	7.8	4.94	AM
775 Magnolia	62	4/27/2012	12:50	1	LIVING ROOM	A	CLOSET coat rack	WOOD	POOR	BEIGE	POS	5.11	6.8	6.1	6.8	3.31	AM
775 Magnolia	63	4/27/2012	12:51	1	LIVING ROOM	A	CLOSET coat rack	WOOD	POOR	BEIGE	POS	5.68	2.9	2.9	3.6	3.59	AM
775 Magnolia	64	4/27/2012	12:51	1	LIVING ROOM	A	CLOSET wall	PLASTER	POOR	BEIGE	POS	9.63	3.8	3.8	3.7	3.33	AM
775 Magnolia	65	4/27/2012	12:53	1	LIVING ROOM	A	WALL	PLASTER	FAIR	WHITE	Null	57.84	1.2	0.7	1.2	6.09	AM
775 Magnolia	66	4/27/2012	12:53	1	LIVING ROOM	A	WALL	PLASTER	FAIR	WHITE	Neg	41.46	0.8	0.8	1.3	5.64	AM
775 Magnolia	67	4/27/2012	12:54	1	LIVING ROOM	B	WALL	PLASTER	FAIR	WHITE	Neg	27.2	0.8	0.8	1	5.8	AM
775 Magnolia	68	4/27/2012	12:54	1	LIVING ROOM	B	WALL	PLASTER	FAIR	WHITE	Neg	15.38	0.5	0.5	1	4.55	AM
775 Magnolia	69	4/27/2012	12:55	1	LIVING ROOM	C	WALL	PLASTER	FAIR	WHITE	Null	2.27	< LOD	< LOD	< LOD	5.34	AM
775 Magnolia	70	4/27/2012	12:55	1	LIVING ROOM	C	WALL	PLASTER	FAIR	WHITE	POS	39.24	1.5	0.9	1.5	8.84	AM
775 Magnolia	71	4/27/2012	12:56	1	LIVING ROOM	D	WALL	PLASTER	FAIR	WHITE	Neg	24.98	0.6	0.6	1.2	7.06	AM
775 Magnolia	72	4/27/2012	12:56	1	LIVING ROOM	D	WALL	PLASTER	FAIR	WHITE	POS	10.81	2.3	0.7	2.3	8.43	AM
775 Magnolia	73	4/27/2012	12:57	1	LIVING ROOM	A	WALL	PLASTER	FAIR	WHITE	Null	11.37	0.7	0.7	1.2	6.54	AM
775 Magnolia	74	4/27/2012	12:57	1	LIVING ROOM	A	WALL	PLASTER	FAIR	WHITE	POS	18.82	1.8	0.9	1.8	7.45	AM
775 Magnolia	75	4/27/2012	12:58	1	LIVING ROOM	B	WALL	PLASTER	FAIR	WHITE	Null	9.61	1	1	1.6	7.55	AM
775 Magnolia	76	4/27/2012	12:58	1	LIVING ROOM	B	WALL	PLASTER	FAIR	WHITE	POS	38.58	1.4	0.8	1.4	6.56	AM

Site	Int	Date/Time	Floor	Room	Room	Sub-Component	Substrate	Condition	Color	Results	Duration	PHC	PHB	Depth	Insp	
775 Magnolia	77	4/27/2012 12:59	1	LIVING ROOM		CEILING	tile	INTACT	WHITE	Neg	5.09	0.06	0.06	< LOD	2.01	AM
775 Magnolia	78	4/27/2012 13:00	1	dining rm		CEILING	tile	INTACT	WHITE	Neg	3.4	< LOD	< LOD	< LOD	1.51	AM
775 Magnolia	79	4/27/2012 13:05	1	dining rm	B	BASEBOARD	WOOD	POOR	Varnish	Neg	5.69	0.05	0.05	< LOD	1.46	AM
775 Magnolia	80	4/27/2012 13:05	1	dining rm	B	WINDOW	WOOD	POOR	Varnish	Neg	5.68	< LOD	< LOD	< LOD	1.06	AM
775 Magnolia	81	4/27/2012 13:05	1	dining rm	C	DOOR	WOOD	POOR	Varnish	Neg	5.69	0.04	0.04	< LOD	1.41	AM
775 Magnolia	82	4/27/2012 13:06	1	dining rm	C	crown molding	WOOD	POOR	Varnish	Neg	5.69	< LOD	< LOD	< LOD	6.32	AM
775 Magnolia	83	4/27/2012 13:06	1	dining rm	C	vent	METAL	POOR	BROWN	Neg	5.7	< LOD	< LOD	< LOD	3.61	AM
775 Magnolia	84	4/27/2012 13:07	1	dining rm	A	WALL	PLASTER	POOR	WHITE	Neg	31.75	0.7	0.7	1.2	5.95	AM
775 Magnolia	85	4/27/2012 13:08	1	dining rm	A	WALL	PLASTER	POOR	WHITE	POS	11.33	2.1	1	2.1	10	AM
775 Magnolia	86	4/27/2012 13:08	1	dining rm	B	WALL	PLASTER	POOR	WHITE	POS	13.03	1.9	0.9	1.9	8.53	AM
775 Magnolia	87	4/27/2012 13:09	1	dining rm	D	WALL	PLASTER	POOR	WHITE	Null	6.81	0.8	0.8	< LOD	9	AM
775 Magnolia	88	4/27/2012 13:10	1	dining rm	D	WALL	PLASTER	POOR	WHITE	POS	19.31	1.7	0.7	1.7	10	AM
775 Magnolia	89	4/27/2012 13:10	1	pantry	A	WALL	PLASTER	POOR	WHITE	POS	5.65	9.8	1.7	9.8	10	AM
775 Magnolia	90	4/27/2012 13:11	1	pantry	B	WALL	PLASTER	POOR	WHITE	POS	5.67	2.4	2.4	2.9	3.1	AM
775 Magnolia	91	4/27/2012 13:11	1	pantry	C	WALL	PLASTER	POOR	WHITE	POS	6.24	5.4	1.8	5.4	10	AM
775 Magnolia	92	4/27/2012 13:11	1	pantry	D	WALL	PLASTER	POOR	WHITE	POS	6.78	6.3	1.6	6.3	10	AM
775 Magnolia	93	4/27/2012 13:12	1	pantry		CEILING	PLASTER	POOR	WHITE	POS	9.62	9.3	1.2	9.3	10	AM
775 Magnolia	94	4/27/2012 13:12	1	pantry	D	crown molding	WOOD	POOR	WHITE	POS	2.85	9.5	< LOD	9.5	10	AM
775 Magnolia	95	4/27/2012 13:12	1	pantry	D	crown molding	WOOD	POOR	WHITE	POS	5.69	6.9	0.8	6.9	10	AM
775 Magnolia	96	4/27/2012 13:13	1	pantry	D	WINDOW casing	WOOD	POOR	WHITE	POS	5.11	9	8.3	9	10	AM
775 Magnolia	97	4/27/2012 13:13	1	pantry	D	WINDOW sash	WOOD	POOR	WHITE	POS	5.68	8.2	7	8.2	6.74	AM
775 Magnolia	98	4/27/2012 13:14	1	pantry	C	DOOR casing	WOOD	POOR	WHITE	POS	5.66	8.9	3.7	8.9	10	AM
775 Magnolia	99	4/27/2012 13:14	1	pantry	C	DOOR jamb	WOOD	POOR	WHITE	POS	2.28	4.8	4.8	8.2	4.76	AM
775 Magnolia	100	4/27/2012 13:15	1	pantry	A	DOOR casing	WOOD	POOR	WHITE	POS	5.69	2.7	2.7	2.7	2.43	AM
775 Magnolia	101	4/27/2012 13:15	1	pantry	B	DOOR casing	WOOD	POOR	WHITE	Neg	5.68	< LOD	< LOD	< LOD	1.28	AM
775 Magnolia	102	4/27/2012 13:15	1	pantry	C	coat rack	WOOD	POOR	WHITE	Neg	5.7	0.19	0.19	< LOD	4.19	AM
775 Magnolia	103	4/27/2012 13:16	1	pantry	C	coat rack	METAL	POOR	WHITE	POS	5.1	11.6	4	11.6	10	AM
775 Magnolia	104	4/27/2012 13:16	1	pantry	C	CABINET	WOOD	POOR	WHITE	Neg	5.67	< LOD	< LOD	< LOD	1.58	AM
775 Magnolia	105	4/27/2012 13:17	1	KITCHEN	B	CABINET	WOOD	INTACT	WHITE	Neg	5.68	< LOD	< LOD	< LOD	1	AM
775 Magnolia	106	4/27/2012 13:17	1	KITCHEN	B	DOOR casing	WOOD	INTACT	WHITE	POS	5.69	6.3	< LOD	6.3	10	AM
775 Magnolia	107	4/27/2012 13:18	1	KITCHEN	B	CLOSET dr	WOOD	INTACT	WHITE	POS	6.81	1.9	1.9	1.4	2.81	AM
775 Magnolia	108	4/27/2012 13:18	1	KITCHEN	C	DOOR	WOOD	INTACT	WHITE	POS	5.67	6.7	1.5	6.7	10	AM
775 Magnolia	109	4/27/2012 13:18	1	KITCHEN	C	DOOR	WOOD	INTACT	WHITE	POS	5.65	5.3	1.4	5.3	10	AM
775 Magnolia	110	4/27/2012 13:19	1	KITCHEN	D	WINDOW casing	WOOD	INTACT	WHITE	POS	5.66	6.5	0.5	6.5	10	AM
775 Magnolia	111	4/27/2012 13:19	1	KITCHEN	D	WINDOW sash	WOOD	INTACT	WHITE	POS	6.23	8.3	2.3	8.3	7.85	AM
775 Magnolia	112	4/27/2012 13:19	1	KITCHEN	A	BASEBOARD	WOOD	INTACT	WHITE	POS	5.11	7.4	0.9	7.4	10	AM
775 Magnolia	113	4/27/2012 13:20	1	KITCHEN	A	vent	METAL	POOR	WHITE	Neg	9.07	< LOD	0.13	< LOD	3.5	AM
775 Magnolia	114	4/27/2012 13:21	1	KITCHEN	A	FLOOR	vinyl	POOR	black	Neg	8.5	< LOD	< LOD	< LOD	2.83	AM
775 Magnolia	115	4/27/2012 13:22	1	KITCHEN	A	WALL	PLASTER	POOR	grey	POS	5.7	8.8	< LOD	8.8	10	AM
775 Magnolia	116	4/27/2012 13:22	1	KITCHEN	B	WALL	PLASTER	POOR	grey	POS	5.65	8.6	< LOD	8.6	10	AM

Site	GR	Date/Time	Floor	Room	Rmfr	Safe	Component	Substrate	Condition	Color	Results	Duration	PbG	PbE	PbK	Depth	Insp.	
775 Magnolia	117	4/27/2012 13:22	1	KITCHEN		C	WALL	PLASTER	POOR	grey	Neg		6.24	< LOD	< LOD	< LOD	1	AM
775 Magnolia	118	4/27/2012 13:22	1	KITCHEN		C	WALL	PLASTER	POOR	grey	Neg		7.37	< LOD	< LOD	< LOD	1	AM
775 Magnolia	119	4/27/2012 13:23	1	KITCHEN		C	WALL	PLASTER	POOR	grey	POS		5.11	8.9	0.26	8.9	7.83	AM
775 Magnolia	120	4/27/2012 13:23	1	KITCHEN		D	WALL	PLASTER	POOR	grey	POS		5.69	7.7	0.26	7.7	7.58	AM
775 Magnolia	121	4/27/2012 13:24	1	KITCHEN		D	WALL	PLASTER	POOR	grey	POS		5.11	8.5	< LOD	8.5	9.59	AM
775 Magnolia	122	4/27/2012 13:24	1	BATHROOM		D	WALL	DRYWALL	POOR	WHITE	Neg		5.12	< LOD	< LOD	< LOD	1	AM
775 Magnolia	123	4/27/2012 13:25	1	BATHROOM		D	WALL	DRYWALL	POOR	WHITE	Neg		6.22	< LOD	< LOD	< LOD	1	AM
775 Magnolia	124	4/27/2012 13:25	1	BATHROOM		A	WALL	DRYWALL	POOR	WHITE	Neg		7.4	< LOD	< LOD	< LOD	1	AM
775 Magnolia	125	4/27/2012 13:25	1	BATHROOM		B	WALL	DRYWALL	POOR	WHITE	Neg		7.39	< LOD	< LOD	< LOD	1	AM
775 Magnolia	126	4/27/2012 13:26	1	BATHROOM			CEILING	DRYWALL	POOR	WHITE	Null		1.12	< LOD	< LOD	< LOD	1	AM
775 Magnolia	127	4/27/2012 13:26	1	BATHROOM			CEILING	DRYWALL	POOR	WHITE	Neg		5.08	< LOD	< LOD	< LOD	1	AM
775 Magnolia	128	4/27/2012 13:26	1	BATHROOM		B	WALL	ceramic	POOR	WHITE	Neg		6.28	< LOD	< LOD	< LOD	1	AM
775 Magnolia	129	4/27/2012 13:27	1	BATHROOM		D	CABINET	METAL	POOR	WHITE	Neg		5.69	< LOD	< LOD	< LOD	1	AM
775 Magnolia	130	4/27/2012 13:28	1	BATHROOM			FLOOR	vinyl	POOR	BROWN	Neg		29.54	0.3	0.3	1.2	4.15	AM
775 Magnolia	131	4/27/2012 13:28	1	BATHROOM		A	DOOR	WOOD	POOR	WHITE	POS		6.8	3	0.29	3	5.51	AM
775 Magnolia	132	4/27/2012 13:28	1	BATHROOM		A	DOOR jamb	WOOD	POOR	WHITE	POS		5.67	5.4	0.4	5.4	7.52	AM
775 Magnolia	133	4/27/2012 13:29	1	BEDROOM 1		A	DOOR	WOOD	POOR	Varnish	Neg		5.68	0.05	0.05	< LOD	1	AM
775 Magnolia	134	4/27/2012 13:30	1	BEDROOM 1		B	WINDOW	WOOD	POOR	BROWN	POS		5.13	9.5	8.8	9.5	1.7	AM
775 Magnolia	135	4/27/2012 13:30	1	BEDROOM 1		B	WINDOW sash	WOOD	POOR	BROWN	POS		4	10.9	8	10.9	1.62	AM
775 Magnolia	136	4/27/2012 13:31	1	BEDROOM 1		B	WINDOW casing	WOOD	POOR	Varnish	Neg		5.67	< LOD	< LOD	< LOD	1	AM
775 Magnolia	137	4/27/2012 13:31	1	BEDROOM 1		C	WINDOW casing	WOOD	POOR	WHITE	Neg		9.68	0.3	0.3	< LOD	1.48	AM
775 Magnolia	138	4/27/2012 13:31	1	BEDROOM 1		C	WINDOW casing	WOOD	POOR	WHITE	Neg		5.69	0.3	0.3	< LOD	1.38	AM
775 Magnolia	139	4/27/2012 13:31	1	BEDROOM 1		C	WINDOW casing	WOOD	POOR	WHITE	Neg		5.67	0.18	0.18	< LOD	1.21	AM
775 Magnolia	140	4/27/2012 13:32	1	BEDROOM 1		C	CLOSET coat rack	WOOD	POOR	WHITE	Neg		5.7	0.21	0.21	< LOD	1.5	AM
775 Magnolia	141	4/27/2012 13:32	1	BEDROOM 1		C	CLOSET coat rack	WOOD	POOR	WHITE	Neg		5.11	0.3	0.3	< LOD	1.51	AM
775 Magnolia	142	4/27/2012 13:32	1	BEDROOM 1		C	CLOSET coat rack	WOOD	POOR	WHITE	Neg		9.64	0.12	0.12	< LOD	1.26	AM
775 Magnolia	143	4/27/2012 13:33	1	BEDROOM 1		C	CLOSET wall	PLASTER	POOR	WHITE	Neg		7.95	0.16	0.16	< LOD	1.13	AM
775 Magnolia	144	4/27/2012 13:33	1	BEDROOM 1		C	CLOSET wall	PLASTER	POOR	WHITE	Neg		3.95	0.07	0.07	< LOD	1.65	AM
775 Magnolia	145	4/27/2012 13:33	1	BEDROOM 1		C	CLOSET wall	PLASTER	POOR	WHITE	Neg		7.96	0.19	0.19	< LOD	1.14	AM
775 Magnolia	146	4/27/2012 13:34	1	BEDROOM 1		A	WALL	PLASTER	POOR	purple	POS		7.95	3.4	0.25	3.4	6.34	AM
775 Magnolia	147	4/27/2012 13:34	1	BEDROOM 1		B	WALL	PLASTER	POOR	purple	POS		6.81	4.8	0.25	4.8	4.86	AM
775 Magnolia	148	4/27/2012 13:35	1	BEDROOM 1		C	WALL	PLASTER	POOR	purple	POS		6.23	5	0.14	5	5.28	AM
775 Magnolia	149	4/27/2012 13:35	1	BEDROOM 1		D	WALL	PLASTER	POOR	purple	Neg		6.8	< LOD	< LOD	< LOD	1.5	AM
775 Magnolia	150	4/27/2012 13:35	1	BEDROOM 1		D	WALL	PLASTER	POOR	GREEN	POS		7.38	3.2	0.18	3.2	2.2	AM
775 Magnolia	151	4/27/2012 13:36	1	BEDROOM 1			CEILING	PLASTER	POOR	WHITE	POS		6.2	4.6	0.18	4.6	6	AM
775 Magnolia	152	4/27/2012 13:37	1	BACK-STAIR			CEILING	WOOD	FAIR	BLUE	POS		2.84	17.7	10.1	17.7	4.88	AM
775 Magnolia	153	4/27/2012 13:37	1	BACK-STAIR			CEILING	WOOD	FAIR	BLUE	POS		5.69	17.6	10.1	17.6	5.05	AM
775 Magnolia	154	4/27/2012 13:38	1	BACK-STAIR		A	Window Casing	WOOD	FAIR	BLUE	POS		5.11	25.2	10.1	25.2	4.07	AM
775 Magnolia	155	4/27/2012 13:38	1	BACK-STAIR		A	WINDOW SASH	WOOD	FAIR	BLUE	POS		5.7	10.5	10.1	10.5	3.54	AM
775 Magnolia	156	4/27/2012 13:38	1	BACK-STAIR		B	DOOR	WOOD	POOR	BLUE	POS		5.12	9.6	10.1	9.6	3.89	AM

Site	Unit	Date/Time	Floor	Room	Run	Size	Component	Substrate	Condition	Color	Result	Dur.	Ion	PbC	Pb	PbK	Depth	Insp.
775 Magnolia	157	4/27/2012 13:39	1	BACK STAIR	C		NEWELL POST	WOOD	POOR	BLUE	POS		4.54	28.4	10.1	28.4	4.45	AM
775 Magnolia	158	4/27/2012 13:39	1	BACK STAIR	C		RAIL CAP	WOOD	POOR	BLUE	POS		5.67	15.3	10.1	15.3	4.18	AM
775 Magnolia	159	4/27/2012 13:40	1	BACK STAIR			FLOOR	WOOD	POOR	BLUE	POS		9.08	12.7	5.3	12.7	3.37	AM
775 Magnolia	160	4/27/2012 13:40	1	BACK STAIR	A		WALL	WOOD	POOR	BLUE	POS		4.52	25.7	10.1	25.7	4.4	AM
775 Magnolia	161	4/27/2012 13:40	1	BACK STAIR	B		WALL	WOOD	POOR	BLUE	POS		5.66	12.5	10.1	12.5	4.76	AM
775 Magnolia	162	4/27/2012 13:41	1	BACK STAIR	C		stringer	WOOD	POOR	BLUE	POS		9.12	25.7	10.1	25.7	3.81	AM
775 Magnolia	163	4/27/2012 13:41	1	BACK STAIR	B		TREAD	WOOD	POOR	grey	POS		5.13	25.9	10.1	25.9	2.65	AM
775 Magnolia	164	4/27/2012 13:42	1	BACK STAIR	B		RISER	WOOD	POOR	grey	POS		5.12	26.1	6.9	26.1	2.51	AM
775 Magnolia	165	4/27/2012 13:42	1	BACK STAIR	C		WINDOW casing	WOOD	POOR	Varnish	Neg		4.52	< LOD	< LOD	< LOD	1.11	AM
775 Magnolia	166	4/27/2012 13:43	1	BACK STAIR	C		WINDOW sash	WOOD	POOR	BROWN	POS		5.15	7.5	7.7	7.5	1.59	AM
775 Magnolia	167	4/27/2012 13:43	2	BACK STAIR	C		WINDOW sash	WOOD	POOR	BROWN	POS		9.1	7.2	6.1	7.2	1.68	AM
775 Magnolia	168	4/27/2012 13:43	2	BACK STAIR	C		WALL	WOOD	POOR	Varnish	Neg		9.64	< LOD	< LOD	< LOD	1	AM
775 Magnolia	169	4/27/2012 13:44	2	BACK STAIR	B		WALL	WOOD	POOR	Varnish	Neg		5.69	< LOD	< LOD	< LOD	2.16	AM
775 Magnolia	170	4/27/2012 13:44	2	BACK STAIR	A		WALL	WOOD	POOR	BLUE	POS		5.15	13.9	10.1	13.9	2.84	AM
775 Magnolia	171	4/27/2012 13:44	2	BACK STAIR	A		WINDOW casing	WOOD	POOR	BLUE	POS		6.26	24.9	10.1	24.9	2.74	AM
775 Magnolia	172	4/27/2012 13:45	2	BACK STAIR	A		WINDOW sash	WOOD	POOR	BLUE	POS		9.11	13.6	10.1	13.6	2.32	AM
775 Magnolia	173	4/27/2012 13:45	2	BACK STAIR	D		DOOR	WOOD	POOR	BLUE	POS		5.13	15.5	10.1	15.5	2.46	AM
775 Magnolia	174	4/27/2012 13:45	2	BACK STAIR	A		DOOR casing	WOOD	POOR	BLUE	POS		5.69	10.7	10.1	10.7	2.56	AM
775 Magnolia	175	4/27/2012 13:46	2	BACK STAIR			FLOOR	WOOD	POOR	grey	POS		5.11	6.9	4.8	6.9	2.4	AM
775 Magnolia	176	4/27/2012 13:47	0	BACK STAIR	A		WINDOW	WOOD	POOR	grey	POS		5.68	13.6	10.1	13.6	3.19	AM
775 Magnolia	177	4/27/2012 13:47	0	BACK STAIR	A		WINDOW	WOOD	POOR	grey	POS		9.1	23.2	10.1	23.2	2.85	AM
775 Magnolia	178	4/27/2012 13:47	0	BACK STAIR	A		DOOR	WOOD	POOR	BEIGE	Neg		5.11	0.08	0.08	< LOD	1.61	AM
775 Magnolia	179	4/27/2012 13:47	0	BACK STAIR	A		DOOR	WOOD	POOR	BEIGE	Neg		2.29	< LOD	< LOD	< LOD	1.13	AM
775 Magnolia	180	4/27/2012 13:47	0	BACK STAIR	A		DOOR	WOOD	POOR	BEIGE	Neg		2.83	< LOD	< LOD	< LOD	1.65	AM
775 Magnolia	181	4/27/2012 13:48	0	BACK STAIR	A		DOOR	WOOD	POOR	BEIGE	Neg		5.69	0.07	0.07	< LOD	1.34	AM
775 Magnolia	182	4/27/2012 13:48	0	BACK STAIR	A		DOOR jamb	WOOD	POOR	RED	POS		5.69	14.5	10.1	14.5	3.22	AM
775 Magnolia	183	4/27/2012 13:49	0	BACK STAIR	A		WALL	CONCRETE	POOR	WHITE	Neg		7.92	0.09	0.09	< LOD	3.66	AM
775 Magnolia	184	4/27/2012 13:50	0	BASEMENT	A		WALL	CONCRETE	POOR	WHITE	Neg		7.34	< LOD	< LOD	< LOD	1.86	AM
775 Magnolia	185	4/27/2012 13:50	0	BASEMENT	B		WALL	CONCRETE	POOR	WHITE	Neg		9.08	0.04	0.04	< LOD	3.06	AM
775 Magnolia	186	4/27/2012 13:50	0	BASEMENT	C		WALL	CONCRETE	POOR	WHITE	Neg		8.51	0.13	0.13	< LOD	1.57	AM
775 Magnolia	187	4/27/2012 13:51	0	BASEMENT	D		WALL	CONCRETE	POOR	WHITE	Neg		6.81	0.04	0.04	< LOD	1.91	AM
775 Magnolia	188	4/27/2012 13:51	0	BASEMENT	B		WALL	WOOD	POOR	BEIGE	POS		5.13	23.7	9.8	23.7	1.58	AM
775 Magnolia	189	4/27/2012 13:52	0	BASEMENT	B		CLOSET DR	WOOD	POOR	BEIGE	POS		5.13	3.3	3.3	4.1	1.23	AM
775 Magnolia	190	4/27/2012 13:52	0	BASEMENT	A		CLOSET DR	WOOD	POOR	GREEN	POS		9.69	2.5	2.5	2.9	1.34	AM
775 Magnolia	191	4/27/2012 13:53	0	BASEMENT	A		COLUMN	WOOD	POOR	BROWN	Neg		9.67	< LOD	< LOD	< LOD	1	AM
775 Magnolia	192	4/27/2012 13:53	0	BASEMENT	A		COLUMN	METAL	POOR	RED	POS		5.71	37.7	10.1	37.7	1.72	AM
775 Magnolia	193	4/27/2012 13:54	0	BASEMENT	A		COLUMN	WOOD	POOR	GREEN	POS		17.62	1.5	1	1.5	1.41	AM
775 Magnolia	194	4/27/2012 13:55	0	BASEMENT	A		COLUMN	WOOD	POOR	BROWN	Neg		13.65	0.9	0.9	1.2	1.15	AM
775 Magnolia	195	4/27/2012 13:55	0	BASEMENT	A		COLUMN	WOOD	POOR	BROWN	Neg		5.67	0.7	0.7	< LOD	1.09	AM
775 Magnolia	196	4/27/2012 13:55	0	BASEMENT	A		COLUMN	WOOD	POOR	BROWN	Neg		5.68	< LOD	< LOD	< LOD	1	AM

Site	MR#	Date/Time	Floor	Room	Rm#	Sub	Component	Substrate	Condition	Color	Results	Duration	PbC	PbK	Depth	Insp	
775 Magnolia	197	4/27/2012 13:55	0	BASEMENT		A	COLUMN	WOOD	POOR	BROWN	Neg	2.27	< LOD	< LOD	< LOD	1	AM
775 Magnolia	198	4/27/2012 13:55	0	BASEMENT		A	COLUMN	WOOD	POOR	BROWN	Neg	1.12	< LOD	< LOD	< LOD	1.23	AM
775 Magnolia	199	4/27/2012 13:56	0	BASEMENT		A	CHIMNEY	brick	POOR	WHITE	Neg	10.2	< LOD	< LOD	< LOD	2.03	AM
775 Magnolia	200	4/27/2012 13:57	0	BASEMENT		D	WINDOW	WOOD	POOR	WHITE	POS	6.25	1.5	1.5	1.8	1.39	AM
775 Magnolia	201	4/27/2012 13:57	0	BASEMENT		b	CLOSET dr	METAL	POOR	BROWN	Neg	5.68	0.4	0.4	< LOD	1.22	AM
775 Magnolia	202	4/27/2012 13:58	0	BASEMENT		a	CLOSET wall	WOOD	POOR	BROWN	Neg	5.65	< LOD	< LOD	< LOD	1	AM
775 Magnolia	203	4/27/2012 13:59	0	BASEMENT		a	CLOSET shelf	WOOD	POOR	grey	Null	0.57	< LOD	< LOD	< LOD	1	AM
775 Magnolia	204	4/27/2012 13:59	0	BASEMENT		a	CLOSET shelf	WOOD	POOR	grey	Neg	3.4	< LOD	< LOD	< LOD	2.49	AM
775 Magnolia	205	4/27/2012 13:59	0	BASEMENT		a	CLOSET shelf	WOOD	POOR	grey	Neg	5.7	0.06	0.06	< LOD	1.49	AM
775 Magnolia	206	4/27/2012 14:00	0	BASEMENT		a	CLOSET dr casing	WOOD	POOR	grey	Neg	5.67	0.12	0.12	< LOD	1.59	AM
775 Magnolia	207	4/27/2012 14:03	2	HALL		D	door	WOOD	POOR	WHITE	POS	5.11	4.9	5.1	4.9	2.62	AM
775 Magnolia	208	4/27/2012 14:04	2	HALL		D	DOOR casing	WOOD	POOR	WHITE	POS	9.11	5.2	5.2	5.2	2.77	AM
775 Magnolia	209	4/27/2012 14:04	2	HALL		C	DOOR casing	WOOD	POOR	WHITE	POS	5.11	5.8	5.6	5.8	3.1	AM
775 Magnolia	210	4/27/2012 14:05	2	HALL		C	BASEBOARD	WOOD	POOR	Varnish	POS	4.59	9.7	7.8	9.7	1.57	AM
775 Magnolia	211	4/27/2012 14:05	2	HALL		B	WINDOW	WOOD	POOR	Varnish	Neg	6.28	0.5	0.5	< LOD	1.28	AM
775 Magnolia	212	4/27/2012 14:05	2	HALL		B	WINDOW sash	WOOD	POOR	BROWN	POS	4.56	4.6	4.6	5.1	1.35	AM
775 Magnolia	213	4/27/2012 14:06	2	HALL			FLOOR	WOOD	POOR	Varnish	Neg	5.67	0.09	0.09	< LOD	1.03	AM
775 Magnolia	214	4/27/2012 14:06	2	HALL		A	WALL	PLASTER	POOR	BEIGE	POS	7.93	2.5	1	2.5	8.35	AM
775 Magnolia	215	4/27/2012 14:06	2	HALL		B	WALL	PLASTER	POOR	BEIGE	Neg	4.53	< LOD	< LOD	< LOD	3.61	AM
775 Magnolia	216	4/27/2012 14:07	2	HALL		B	WALL	PLASTER	POOR	BEIGE	Neg	3.39	0.09	0.09	< LOD	2.29	AM
775 Magnolia	217	4/27/2012 14:07	2	HALL		B	WALL	PLASTER	POOR	BEIGE	Neg	2.28	< LOD	< LOD	< LOD	1.95	AM
775 Magnolia	218	4/27/2012 14:07	2	HALL		C	WALL	PLASTER	POOR	BEIGE	POS	7.96	3.5	1.3	3.5	10	AM
775 Magnolia	219	4/27/2012 14:07	2	HALL		D	WALL	PLASTER	POOR	BEIGE	POS	6.81	4.2	0.7	4.2	4.4	AM
775 Magnolia	220	4/27/2012 14:08	2	HALL			CEILING	PLASTER	POOR	BEIGE	POS	6.26	4.5	1.2	4.5	7.81	AM
775 Magnolia	221	4/27/2012 14:08	2	HALL		D	CEILING attic dr	WOOD	POOR	WHITE	Neg	7.94	0.5	0.5	1	4.15	AM
775 Magnolia	222	4/27/2012 14:08	2	HALL		D	CEILING attic dr	WOOD	POOR	WHITE	POS	6.8	4.4	1.1	4.4	7.11	AM
775 Magnolia	223	4/27/2012 14:08	2	HALL		D	CEILING attic dr	WOOD	POOR	WHITE	POS	6.8	4.2	1	4.2	6.66	AM
775 Magnolia	224	4/27/2012 14:09	2	BEDROOM 2		A	DOOR casing	WOOD	POOR	YELLOW	POS	6.24	5.1	1.3	5.1	10	AM
775 Magnolia	225	4/27/2012 14:09	2	BEDROOM 2		A	BASEBOARD	WOOD	POOR	YELLOW	POS	5.68	6	2.5	6	6.91	AM
775 Magnolia	226	4/27/2012 14:10	2	BEDROOM 2		A	WINDOW casing	WOOD	POOR	YELLOW	POS	5.11	5.9	1.7	5.9	10	AM
775 Magnolia	227	4/27/2012 14:10	2	BEDROOM 2		A	WINDOW sash	WOOD	POOR	YELLOW	POS	7.36	3.1	2.1	3.1	8.4	AM
775 Magnolia	228	4/27/2012 14:11	2	BEDROOM 2		B	CLOSET dr	WOOD	POOR	YELLOW	POS	5.69	5.2	3	5.2	9.14	AM
775 Magnolia	229	4/27/2012 14:11	2	BEDROOM 2		B	CLOSET shelf	WOOD	POOR	WHITE	Neg	5.09	< LOD	< LOD	< LOD	1.33	AM
775 Magnolia	230	4/27/2012 14:12	2	BEDROOM 2		B	CLOSET coat rack	WOOD	POOR	WHITE	POS	6.8	1.9	1.9	2.6	2.68	AM
775 Magnolia	231	4/27/2012 14:12	2	BEDROOM 2		B	CLOSET wall	PLASTER	POOR	WHITE	Null	3.41	< LOD	< LOD	< LOD	3.98	AM
775 Magnolia	232	4/27/2012 14:12	2	BEDROOM 2		B	CLOSET wall	PLASTER	POOR	WHITE	Neg	9.62	< LOD	< LOD	< LOD	1.26	AM
775 Magnolia	233	4/27/2012 14:13	2	BEDROOM 2		A	WALL	PLASTER	POOR	BLUE	Null	6.83	0.8	0.8	< LOD	9.41	AM
775 Magnolia	234	4/27/2012 14:13	2	BEDROOM 2		A	WALL	PLASTER	POOR	BLUE	Null	5.68	0.6	0.6	1.4	10	AM
775 Magnolia	235	4/27/2012 14:14	2	BEDROOM 2		A	WALL	PLASTER	POOR	BLUE	POS	60	1	1	1	10	AM
775 Magnolia	236	4/27/2012 14:15	2	BEDROOM 2		B	WALL	PLASTER	POOR	BLUE	POS	60	1.2	0.7	1.2	10	AM

Site	Unit #	Date/Time	Room	Room	Room	Subst.	Comp.	Color	Results	Duration	PSC	Pbk	Depth	Resp.
775 Magnolia	237	4/27/2012 14:17	2	BEDROOM 2	C	WALL	POOR	BLUE	POS	60	1	0.6	1	10 AM
775 Magnolia	238	4/27/2012 14:18	2	BEDROOM 2	D	WALL	POOR	BLUE	POS	60	1	0.7	1	10 AM
775 Magnolia	239	4/27/2012 14:19	2	BEDROOM 2		CEILING	POOR	BLUE	POS	52.73	1.3	1.2	1.3	10 AM
775 Magnolia	240	4/27/2012 14:20	2	BEDROOM 2	D	FLOOR vent	POOR	BROWN	Neg	5.7	0.04	0.04	< LOD	1.45 AM
775 Magnolia	241	4/27/2012 14:21	2	rm 1	A	WINDOW casing	POOR	WHITE	POS	5.69	5.9	7.4	5.9	9.25 AM
775 Magnolia	242	4/27/2012 14:22	2	rm 1	A	WINDOW sash	POOR	WHITE	Null	10.22	0.9	0.9	1.3	3.18 AM
775 Magnolia	243	4/27/2012 14:22	2	rm 1	A	WINDOW sash	POOR	WHITE	POS	8.52	1.3	1.3	1.3	4.22 AM
775 Magnolia	244	4/27/2012 14:22	2	rm 1	A	BASEBOARD	POOR	WHITE	POS	5.09	7.1	6.3	7.1	4.65 AM
775 Magnolia	245	4/27/2012 14:22	2	rm 1		FLOOR	POOR	Varnish	Neg	5.69	0.09	0.09	< LOD	1 AM
775 Magnolia	246	4/27/2012 14:23	2	rm 1	C	DOOR casing	POOR	WHITE	POS	5.67	7.3	7.5	7.3	6.72 AM
775 Magnolia	247	4/27/2012 14:23	2	rm 1	C	vent	METAL	WHITE	Neg	5.69	0.04	0.04	< LOD	1.34 AM
775 Magnolia	248	4/27/2012 14:24	2	rm 1	D	CLOSET dr	POOR	WHITE	POS	9.65	6.1	6.8	6.1	9.89 AM
775 Magnolia	249	4/27/2012 14:24	2	rm 1	D	CLOSET dr casing	POOR	WHITE	POS	3.41	6.4	6.4	6.4	8.73 AM
775 Magnolia	250	4/27/2012 14:25	2	rm 1	A	WALL	PLASTER	WHITE	Neg	27.7	< LOD	0.5	< LOD	10 AM
775 Magnolia	251	4/27/2012 14:25	2	rm 1	B	WALL	PLASTER	WHITE	Neg	7.36	< LOD	< LOD	< LOD	4.45 AM
775 Magnolia	252	4/27/2012 14:26	2	rm 1	C	WALL	PLASTER	WHITE	POS	20.41	1.5	1.5	1.5	9.88 AM
775 Magnolia	253	4/27/2012 14:27	2	rm 1	D	WALL	PLASTER	WHITE	POS	52.1	1.3	1	1.3	10 AM
775 Magnolia	254	4/27/2012 14:28	2	rm 1		CEILING	POOR	WHITE	Neg	60	0.9	0.9	0.9	8.18 AM
775 Magnolia	255	4/27/2012 14:29	2	rm 2		CEILING	POOR	WHITE	Neg	7.37	< LOD	< LOD	< LOD	1.3 AM
775 Magnolia	256	4/27/2012 14:29	2	rm 2	A	WALL	PLASTER	WHITE	Neg	7.95	< LOD	< LOD	< LOD	2.09 AM
775 Magnolia	257	4/27/2012 14:29	2	rm 2	B	WALL	PLASTER	WHITE	Neg	6.77	< LOD	< LOD	< LOD	1 AM
775 Magnolia	258	4/27/2012 14:30	2	rm 2	C	WALL	PLASTER	WHITE	Neg	7.38	< LOD	< LOD	< LOD	2.38 AM
775 Magnolia	259	4/27/2012 14:30	2	rm 2	D	WALL	PLASTER	WHITE	Neg	7.94	< LOD	< LOD	< LOD	1 AM
775 Magnolia	260	4/27/2012 14:30	2	rm 2	D	BASEBOARD	WOOD	WHITE	POS	5.68	9.5	8.1	9.5	5.26 AM
775 Magnolia	261	4/27/2012 14:31	2	rm 3	B	CLOSET shelf	WOOD	YELLOW	POS	5.1	4.1	4.1	4.9	1.59 AM
775 Magnolia	262	4/27/2012 14:31	2	rm 3	B	Elst shelf sup	WOOD	YELLOW	POS	5.1	8.5	6.4	8.5	1.86 AM
775 Magnolia	263	4/27/2012 14:33	2	rm 3	B	CLOSET wall	PLASTER	YELLOW	POS	5.71	2.9	2.9	3	3.15 AM
775 Magnolia	264	4/27/2012 14:33	2	rm 3	A	WALL	PLASTER	WHITE	POS	5.69	7.4	0.9	7.4	10 AM
775 Magnolia	265	4/27/2012 14:34	2	rm 3	B	WALL	PLASTER	WHITE	POS	5.68	7	0.7	7	10 AM
775 Magnolia	266	4/27/2012 14:34	2	rm 3	C	WALL	PLASTER	WHITE	POS	5.08	7	0.5	7	10 AM
775 Magnolia	267	4/27/2012 14:34	2	rm 3	D	WALL	PLASTER	WHITE	POS	9.64	7.7	0.4	7.7	10 AM
775 Magnolia	268	4/27/2012 14:34	2	rm 3		CEILING	POOR	WHITE	POS	5.14	7.2	0.8	7.2	10 AM
775 Magnolia	269	4/27/2012 14:35	2	rm 4		CEILING	POOR	BEIGE	POS	4.52	10.8	1.2	10.8	10 AM
775 Magnolia	270	4/27/2012 14:35	2	rm 4	A	WALL	PLASTER	BEIGE	POS	5.11	10.9	1	10.9	8.13 AM
775 Magnolia	271	4/27/2012 14:36	2	rm 4	B	WALL	PLASTER	BEIGE	POS	5.08	12.4	0.9	12.4	4.97 AM
775 Magnolia	272	4/27/2012 14:36	2	rm 4	C	WALL	PLASTER	BEIGE	POS	5.69	8.3	3.6	8.3	5.61 AM
775 Magnolia	273	4/27/2012 14:36	2	rm 4	D	WALL	PLASTER	BEIGE	Null	4.52	< LOD	< LOD	< LOD	10 AM
775 Magnolia	274	4/27/2012 14:36	2	rm 4	D	WALL	PLASTER	BEIGE	POS	5.09	11.9	1.2	11.9	6.12 AM
775 Magnolia	275	4/27/2012 14:37	2	rm 4	D	shelf	WOOD	BEIGE	POS	5.66	9.2	6.2	9.2	8.55 AM
775 Magnolia	276	4/27/2012 14:38	2	back entry	A	WALL	PLASTER	WHITE	Neg	7.41	< LOD	< LOD	< LOD	1 AM

Site	Unit	Date/Time	Floor	Room	Room Side	Component	Substrate	Condition	Color	Results	Duration	PbC	PbK	Depth	Insp.
775 Magnolia	277	4/27/2012 14:38	2	back entry	B	WALL	PLASTER	POOR	WHITE	Neg		6.81 < LOD	< LOD	< LOD	1 AM
775 Magnolia	278	4/27/2012 14:38	2	back entry	C	WALL	PLASTER	POOR	WHITE	Neg		7.95 < LOD	< LOD	< LOD	1.69 AM
775 Magnolia	279	4/27/2012 14:38	2	back entry	D	WALL	PLASTER	POOR	WHITE	POS		5.69 10.1	2.1	10.1	9.21 AM
775 Magnolia	280	4/27/2012 14:39	2	back entry		CEILING	PLASTER	POOR	WHITE	POS		5.66 9.7	1.9	9.7	6.24 AM
775 Magnolia	281	4/27/2012 14:41	2	BATHROOM		CEILING	PLASTER	POOR	WHITE	POS		7.4 3.4	1.6	3.4	7.86 AM
775 Magnolia	282	4/27/2012 14:41	2	BATHROOM	A	WALL	PLASTER	POOR	WHITE	Neg		3.4 < LOD	< LOD	< LOD	1 AM
775 Magnolia	283	4/27/2012 14:41	2	BATHROOM	B	WALL	PLASTER	POOR	WHITE	Neg		5.67 < LOD	< LOD	< LOD	4.02 AM
775 Magnolia	284	4/27/2012 14:41	2	BATHROOM	C	WALL	PLASTER	POOR	WHITE	POS		7.36 3.8	1	3.8	10 AM
775 Magnolia	285	4/27/2012 14:42	2	BATHROOM	D	WALL	PLASTER	POOR	WHITE	POS		6.8 3.9	1	3.9	10 AM
775 Magnolia	286	4/27/2012 14:42	2	BATHROOM		FLOOR	ceramic	POOR	GREEN	Neg		10.85 < LOD	< LOD	< LOD	1.71 AM
775 Magnolia	287	4/27/2012 14:43	2	rm 4		FLOOR	vinyl	POOR	black	Neg		9.64 < LOD	< LOD	< LOD	1.22 AM
775 Magnolia	288	4/27/2012 14:44	2	rm 4	A	vent	METAL	POOR	black	Neg		5.12 0.14	0.14	< LOD	2.22 AM
775 Magnolia	289	4/27/2012 14:45		OUTSIDE	A	TREAD	WOOD	POOR	WHITE	Neg		5.69 < LOD	< LOD	< LOD	1 AM
775 Magnolia	290	4/27/2012 14:46		OUTSIDE	A	WINDOW sill	WOOD	POOR	WHITE	POS		28.45 1	1	1.1	3.36 AM
775 Magnolia	291	4/27/2012 14:46		OUTSIDE	A	WINDOW sash	WOOD	POOR	WHITE	POS		5.11 3.4	3.4	3.6	2.52 AM
775 Magnolia	292	4/27/2012 14:47		OUTSIDE	A	TRIM	WOOD	POOR	WHITE	POS		6.24 3.4	3.4	3.5	3.01 AM
775 Magnolia	293	4/27/2012 14:47		OUTSIDE	B	drip board	WOOD	POOR	WHITE	Neg		9.64 0.11	0.11	< LOD	2.4 AM
775 Magnolia	294	4/27/2012 14:47		OUTSIDE	B	drip board	WOOD	POOR	WHITE	Neg		5.71 0.18	0.18	< LOD	2.6 AM
775 Magnolia	295	4/27/2012 14:48		OUTSIDE	B	foundation	CONCRETE	POOR	TAN	Neg		9.68 < LOD	< LOD	< LOD	2.48 AM
775 Magnolia	296	4/27/2012 14:49		OUTSIDE	B	siding	WOOD	POOR	TAN	POS		9.64 2.3	< LOD	2.3	1.39 AM
775 Magnolia	297	4/27/2012 14:49		OUTSIDE	A	siding	WOOD	POOR	TAN	Neg		7.36 0.05	0.05	< LOD	2.63 AM
775 Magnolia	298	4/27/2012 14:50		OUTSIDE	D	siding	WOOD	POOR	TAN	POS		6.83 4.6	< LOD	4.6	2.79 AM
775 Magnolia	299	4/27/2012 14:50		OUTSIDE	C	siding	WOOD	POOR	TAN	POS		7.97 3	< LOD	3	3.17 AM
775 Magnolia	300	4/27/2012 14:50		OUTSIDE	C	WINDOW casing	METAL	INTACT	WHITE	POS		5.72 9.6	< LOD	9.6	1 AM
775 Magnolia	301	4/27/2012 14:51		OUTSIDE	C	soffit	WOOD	POOR	WHITE	POS		9.67 10	< LOD	10	1 AM
775 Magnolia	302	4/27/2012 14:51		OUTSIDE	D	DOOR casing	METAL	INTACT	WHITE	Neg		5.7 < LOD	< LOD	< LOD	1 AM
775 Magnolia	303	4/27/2012 14:52		OUTSIDE	D	soffit	WOOD	POOR	WHITE	POS		5.72 12.3	< LOD	12.3	1 AM
775 Magnolia	304	4/27/2012 14:52		OUTSIDE	C	DOOR casing	METAL	INTACT	WHITE	Neg		5.69 < LOD	< LOD	< LOD	1 AM
775 Magnolia	305	4/27/2012 14:53		OUTSIDE	C	WINDOW casing	WOOD	POOR	WHITE	POS		5.66 25.7	10.1	25.7	4.76 AM
775 Magnolia	306	4/27/2012 14:53		OUTSIDE	C	WINDOW SASH	WOOD	POOR	WHITE	POS		9.08 23.6	10.1	23.6	4.27 AM
775 Magnolia	307	4/27/2012 14:55				CALIBRATE				Null		13.09 1	1	< LOD	1.09 AM
775 Magnolia	308	4/27/2012 14:55				CALIBRATE				POS		22.13 1	1	< LOD	1.06 AM
775 Magnolia	309	4/27/2012 14:55				CALIBRATE				POS		24.38 1	1	< LOD	1.09 AM

Description of Column Titles

Site:	The sequential number of the site (homes or buildings) inspected on a particular day.
No:	The sequential XRF sample number for a given site.
XL No/Map:	The sample number recorded on the maps of a particular site.
Date:	Date that the XRF sample was analyzed.
Time:	Time of XRF sample analysis.
Floor:	The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).
Room:	The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.
Side:	Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are A, B, C, and D.
Structure:	This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.
Feature:	Specifies additional information about a structure.
Condition:	Describes whether the surface being tested is Intact: good condition; Fair: less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; Poor: more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.
Substrate:	Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.
Color:	Color of surface tested.
Result:	The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.
PbL(mg/cm^2):	The lead concentration as determined with L-shell X-ray data.
RES:	Results: POS - above action level, NEG - below action level.
PbK:	The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.
PbC:	The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.
Depth:	This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.
Duration:	The length of the XRF sample analysis in seconds.
Inspector:	When multiple inspectors are used, this number indicates who sampled at the time indicated.
Note:	This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A**, and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX C

**LABORATORY RESULTS
CHAIN-OF-CUSTODY**

**EMSL Analytical, Inc.**

14375 23rd Avenue North, Minneapolis, Mn 55447

Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0412A 775 Magnolia Ave E**

Customer ID: MIDW56
Customer PO:
Received: 04/27/12 8:00 AM
EMSL Order: 351202543

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0001		144 in ²	10 µg/ft ²	11000 µg/ft ²	Site: Porch Side A Entry Flr
<i>Client Sample</i> 502/0412A-W1					Collected: 4/25/2012
0002		36 in ²	40 µg/ft ²	2800 µg/ft ²	Site: Porch Side A Entry Stool
<i>Client Sample</i> 502/0412A-W2					Collected: 4/25/2012
0003		36 in ²	40 µg/ft ²	3500 µg/ft ²	Site: Bedroom 1 Side B Stool
<i>Client Sample</i> 502/0412A-W3					Collected: 4/25/2012
0004		144 in ²	10 µg/ft ²	33 µg/ft ²	Site: Bedroom 1 Side B Flr
<i>Client Sample</i> 502/0412A-W4					Collected: 4/25/2012
0005		144 in ²	10 µg/ft ²	250 µg/ft ²	Site: Back Stair Side C Entry Flr
<i>Client Sample</i> 502/0412A-W5					Collected: 4/25/2012
0006		144 in ²	10 µg/ft ²	510 µg/ft ²	Site: Hall Flr 2 Side A Entry From Stair Flr
<i>Client Sample</i> 502/0412A-W6					Collected: 4/25/2012
0007		144 in ²	10 µg/ft ²	430 µg/ft ²	Site: Flr 2 Back entry Flr
<i>Client Sample</i> 502/0412A-W7					Collected: 4/25/2012
0008		144 in ²	10 µg/ft ²	210 µg/ft ²	Site: Bedroom 2 Side A Flr
<i>Client Sample</i> 502/0412A-W8					Collected: 4/25/2012
0009		36 in ²	40 µg/ft ²	88000 µg/ft ²	Site: Bedroom 2 Side A Trough
<i>Client Sample</i> 502/0412A-W9					Collected: 4/25/2012
0010	4/27/2012	144 in ²	10 µg/ft ²	<10 µg/ft ²	Site: Rm 1 Middle Flr
<i>Client Sample</i> 502/0412A-W10					Collected: 4/25/2012

Initial report from 04/30/2012 12:57:30

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft² x area sampled in ft². Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied. "<" (less than) results signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

**EMSL Analytical, Inc.**

14375 23rd Avenue North, Minneapolis, Mn 55447

Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145

Phone: (763) 691-0111

Project: **502/0412A 775 Magnolia Ave E**

Customer ID: MIDW56

Customer PO:

Received: 04/27/12 8:00 AM

EMSL Order: 351202543

EMSL Proj:

Test Report: Lead in Soils by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0011	4/30/2012	40 mg/Kg	790 mg/Kg	Site: Bare Soil
Client Sample 502/0412A-S1				Collected: 4/25/2012

Initial report from 04/30/2012 12:57:30

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. The QC data associated with these sample results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. *slight modification to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162



Midwest Environmental Consulting, L.L.C.

125 Railroad Avenue SW • Mora, MN 55051

763-691-0111 / 320-679-4054

Fax: 763-691-0145 / 320-679-4442

Client Address:

Contact:

CHAIN OF CUSTODY

Project Number 5826412A

Client: WHL Phyls

Project: 725 Magazine Ave

Phone/Fax:

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
5826412A-01	porch side A Entry FVR	4-25-12	12' x 12"	pb/ap/pe
W2	" " side 1		2' x 8"	
W3	Backdoor 1 side-B side-1		"	
W4	" " Entry FVR		12' x 12"	
W5	Back glass side-C Entry FVR		"	
W6	Hall Entry 2 side-A Entry FVR		"	
W7	Back 2 back entry FVR		"	
W8	Backdoor 2 side-A FVR		"	
W9	" " trap		2' x 18"	
W10	Door 1 middle Entry FVR		12' x 12"	
S1	Bara soil		Bara soil	pb/ap/pe

Sampled by: [Signature] Date: 4-25 Time:

Received by: [Signature] Date: 4/27 Time: 2:00 PM

Received by Lab: [Signature] Date: 4/27 Time: 2:00 PM

Notes:

24 hours sealed

patience for lab

Delivered by:

Delivered by:

Disposition of Samples:

only 13 on wipes used